

gtgtgttaac	atgggagttg	gaacactgct	cattgcaatg	cctcagttct	tcattggagca	300
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cctagagatca	agcagtcatt	taccagtttc	agttatggaa	aaatcaaaa	ccaaaataag	420
taacgaattg	gaagtggaca	ctagctcttc	catgtggatt	tatgttttcc	tgggcaatct	480
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<210> 232
 <211> 1067
 <212> DNA
 <213> Homo sapiens

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ccaggggcgc	aagcctcagg	accgtgggtg	ggggcccaag	acactctgga	ccccggttcc	180
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aaaagtgtgt	atcgccattg	acgtggggcag	ccgagatgag	acggacctca	ccaatatagg	660
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ggggcgcgag	aagaagcccg	cgagtgcggt	ctccacctgt	cccaacgcct	ccttcacgga	1020
ccttgcgcaa	atttgtcttc	gcattgagcc	cgccaagccc	gccatgg		1067

<210> 233
 <211> 704
 <212> DNA
 <213> Homo sapiens

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gggtagtctc	aactttgggt	aataatgttt	gtcagctacc	tgatattaac	attgtctccac	180
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attcccgagc	gagccacgaa	aatcaacatc	acggagatgt	acaagagcaa	caactatttg	420
gcctcgagaa	gtcgttctcg	acgtccatc	atcaatggga	actgggcaat	tgatcgacca	480

ggaaaaatacg	agggcggagg	gaccatgttc	acctacaagc	gtccaaatga	gatttcgagc	540
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agtttgatg	ttctcgact	gtctcttgga	ttttgaatct	tgtaactct	aaggaaacata	660
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<210> 234
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 234	
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tctctgcaga	acacagctac
ctgggagatga	aggattcaga
cgacggcccg	ctcaggagga
atcaggaatt	gtcagcagca
atgcccacat	taactatggg
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ggatattgac	180
tgtaactgatg	240
cagcccatctt	300
gggcaaaagaa	360
	420

<210> 235
 <211> 1057
 <212> DNA
 <213> Homo sapiens

<400> 235	
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gacaaggtgg	atcattcaaa
tgtaacataga	gatctgaaac
caatgaataa	aacttaaaaca
taggaagtga	gcatctgtgc
tatcagttgoc	caagactata
catgttatta	cgtaggagaac
aaataagaaaa	ggagaactcac
taaaagtgtt	ttgaaacaac
actactagat	aaccagtggt
attagagatg	atgaaggaat
agagaagaat	aagccgtcca
ccctgagacc	aattacactt
tgcatcttctc	ccaagtgtaa
tctttttgtt	gttagtttgt
gcctataaag	gctagcatga
ttatgtagg	caggtgtctg
gctttgtggg	ccctagtagt
ggatagga	gggcatctt
cagagaaatga	60
atccttcaca	120
ttgatgtata	180
agaagcaaa	240
ccctgaagt	300
tcgtaagtga	360
tttttgagtt	420
gtgactgtgc	480
cagctaaagga	540
caaccaatgt	600
acacaaacgt	660
ggggaagtgt	720
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tgcaaatctg	840
agttctttct	900
aggttggtga	960
aatatttttg	1020
	1057

<210> 236
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 236
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 cctcagatta gtgattctc atcaccagtt atggagggtg acttgatgca gctgacttgc 180
 aaaacatctg gtagtaaac tgcagctgat ataagatggg tcaaaaatga caaagagatt 240
 aaagatgtaa aatattttaa agaagaggat gcaaatcgca agacattcac tgtcagcagc 300
 acactggact tccagtgga ccggagtgat gatggagtgg cggtcattctg cagagtagat 360
 cagaaatccc tcaatgccac cctcaggta gccatgcagg tgctagaaat gcactataca 420
 ccatcagtta agattatacc atcgactcct tttccacaag aaggagc 467

<210> 237
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (416)
 <223> n = a, t, c or g

<400> 237
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 acccatgggt caccgcttca gaaaggatct ttgttctcaa ccaactcaga gatcccactt 120
 cgcctaagtt tccagaagac tttagcagatg gagagcatgc aaagcagaaa tcagtcatct 180
 cctggctgtt gaaccaagat ccagcaaaac ggcaccacgc cacagaactg ctcaagagtg 240
 agctctgccc cccaccocag atggaggagt cagagctgca tgaagtgtctg caccacacgc 300
 tgaccaaagt ggatggaag gccatccgca ccattgatgg gccacagatct tttcggcagc 360
 gcattctccc tgccatcgnt ttacaacctat gaccagcgac atattgaagg gcaact 416

<210> 238
 <211> 739
 <212> DNA
 <213> Homo sapiens

<400> 238
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 tgattccaca gatggcgagg gtgactggag tctctggtct gctcgcagcg tcactcgagg 180
 gaacggcgaac cagaaacgga ccgggtcttg tggctacgag tgcaactgca cagaatcgag 240

gacctgtgac	cgtccaaact	gccaggaat	tgaagacact	tttaggacag	ctgccaccga	300
agttagtctg	cttgcgggaa	gcgaggagtt	taatgccacc	aaactgtttg	aagttgacac	360
agacagctgt	gagcgtctga	tgagctgcaa	aagcgagttc	ttaaagaagt	acatgcccaa	420
ggtgatgaat	gacctgccca	gctgccctcg	ctctaccacc	actgaggtgg	ctcacagcac	480
ggccgacatc	ttcgaccgca	tcaagcgcaa	ggacttccgc	tggaggagcg	ccagcgggcc	540
caaggagaag	ctggagatct	acaagccacc	tgcccggtac	tgcacogct	ccatgctgtc	600
cctggagagc	accacgctgg	cggcacagca	ctgctgtctac	ggcgacacaa	tgacgtctat	660
caccaggggc	aagggggcgg	gcacgcccac	cctcatcagc	accgagttct	cccgaggagct	720
ccactacaag	gtggagctc					739

<210> 239
 <211> 611
 <212> DNA
 <213> Homo sapiens

<400> 239	
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tgtaaccatta	gttgcgtctg
aaaagaggaa	gacgaggaa
tgggcatgct	tcaactgtga
aagtgcagaa	ggggacagtc
agctggccatc	atgaatgcaa
aagtaaaagc	acagatatct
tgcagttcca	ggaaaggatg
tagtgcctga	tctgatcaaa
cactggcctg	gtcgggggta
agttgctcac	a

<210> 240
 <211> 1090
 <212> DNA
 <213> Homo sapiens

<400> 240	
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agtgctcttcc	agtcctgogaa
ttagaatga	aaggacattt
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gcatttcagg	taagtcttcc
taaatgaagg	tgtgctctgg
ttaaaatgaa	atagttcaatt
aggtctggtag	aacagggatg
gttttagtag	aaatttgaag
aagatgtaat	ctcgtatttat
atcctaataca	gtagacgtag
aatttaacat	gttaattgaa
aacagtatat	ctattaatct

tttttttga	gaccaagtct	ctctctgtcg	ccaggctgga	gtgcagtggt	gtgatctcgg	900
ctcactgcag	ctcccaacctc	ctgggtttga	gtgatctctc	tgccctcagcc	tcccagagtag	960
ctgggacac	aggccctacg	taccaaagcc	agataatttt	ttgtattttt	aatagagatg	1020
gggtttcacc	atgttggtcca	ggatggtgcg	aatctctctg	ccctctgata	tacctgcctt	1080
cgtctcccaa						1090

```
<210> 241
<211> 680
<212> DNA
<213> Homo sapiens
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<400>	241					
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gaacagagga	tacaggtccc	accatgacca	gatgatctgc	aagtgcctct	ccctgagcat	120
atctctactc	gtaccatctg	ggggctctac	caccatcca	ggccacctca	ccagctccat	180
ctctctggga	cacttcaaca	accagctata	agccctcaag	gtgttgaaat	ttggcactgt	240
gtctctcttc	agcttcccaca	tatccccat	catgctgggt	gtccagctgt	ttcgtgatca	300
ctgcctgttc	ctgggtctga	attttaaaga	gacctctgt	ctgagcaaga	agaagaagac	360
caaaaggcca	cagtttgctc	agagaaggat	caagaagata	tatgaaatac	tggggagcac	420
tagctacaga	gaaatgggtg	ctggattttt	ctctcatctg	atgaccccat	tgctgtttac	480
ccgggagacc	ggctttgtcc	ctcgtgggga	ttcttttctt	gaaagaaagc	gctacogtac	540
tgatgccaca	gtctctgtct	tcctgtgctt	ctctctcttc	ctaatccagc	cgaagaagcc	600
ctccttgggc	aaaaaagatg	atggagagaa	ccaggagcac	tcactgggga	ccgagcccat	660
catcactctg	aaqactcttc					680

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<210> 242
<211> 491
<212> DNA
<213> Homo sapiens
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<400>	242						
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agtttgtcca	gaagatggatc	tcaattctctg	ctcttcacct	gcctctctac	cagagcacc		120
tcogtgtcac	tgcgtgccct	agatccttctg	ttctgttata	tcagcctgaa	tcagccctgg		180
aggaacactg	accaccagtt	ggatgagtct	caaggtctctc	ctctatgtga	caaccatctg		240
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ccagaaaaac	actctggaaac	ccacgcctctc	gtctgttctca	atggcagcca	ccccctagaa		360
ccagcgcgca	ttgtgcaaacg	accaggtctgt	ccgcagctctc	atgggaagac	ctgtctctgg		420
ccacccacgc	tggaagtcaa	ggctgtgccct	ggaggtcact	atgtgtatcg	tctgaccaag		480
acacgcgttt	g						491

<210> 243
<211> 983
<212> DNA

<213> Homo sapiens

<400> 243

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gccaaaggagg	tgttgtagca	cctggacatc	tacttcagca	gccagctgca	gagcgcgcgcg	120
ctgcccacgcg	tggacaagg	cccgcgtggag	ctgctggagg	agttcgtgtt	ccaggctccc	180
aaggagcgca	gcgcgcagcc	caagagactg	aattcccttc	aggagcttca	acttcttgaa	240
atcatgtgca	attatttcca	ggagcaaacc	aaggactctg	ttcggcagat	tattttttca	300
tcctctttca	gccctcaagg	gaacaaagcc	gatgacagcc	ggaatgagctt	gttgggaaaa	360
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tgtctgttgg	tggcggggtc	cattcagacg	ctgaagcaga	tattcagtcg	cagcccgaga	540
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attctcatca	cttttttaaa	tactccgatt	gcggccaatc	tgccaatagg	attcttagag	720
ctcacccgcg	tcgttggatt	gatccgctgg	tcgctgaagg	cacccctggc	ttataaaagg	780
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gtgctcatga	cgctcgagct	gcacctgacc	gagaagaatc	tgtatggggc	gctctggggct	960
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<210> 244

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (526)

<223> n = a,t,c or g

<400> 244

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cggtcagacc	acgcgttcgc	tcacgcgtcc	ggccaaccag	aagggttgcc	acggggacgc	120
cctgtactac	gacggtctgt	ccatgatcgc	catgaacgga	agcgtctctg	ctcaaggatc	180
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tgtgggatgc	tcatacaaaga	cgtggaaagt	ggccccattc	gtgcgggccc	ggtggaggcc	360
gtgagggtgc	agtgcctgaa	aagtctgaca	gggaagttcc	ggacttcccg	acgctggaaa	420
ggggctggtg	cgcagacag	aacctgcttc	catctgttcc	cgctcatcct	ctgcttgggc	480
caggccctga	gctgggggtga	gctggggaca	ggcaggcagg	tgtatt		526

<210> 245

<211> 418

<212> DNA

<213> Homo sapiens

<400> 245
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 cactcctatt cactcctact tgcactcctc tctattcatt actcactgcc cctgccctta 120
 gtcccatggg taacctgtag ccattgggcat ttcttgagcc cactcagca ggcctctgctt 180
 cccccaggtc ctggtagaac agggcggtgg ctttgaccgg gcctctggct ccttctgtagc 240
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 tgtccaggtg acctcagcac tggcccccat ccccggtca ggaggggtgg gagggggaag 360
 aaggggagcc agctgaacct ccgggtggac tctccattga cctgtgtcct ggaagaaa 418

<210> 246
 <211> 706
 <212> DNA
 <213> Homo sapiens

<400> 246
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 tttcttaagc catgtagtgtt cacaatttga cctcggaact ttgtttgttt atctctatct 180
 agaccctgtat aaacatacca attccaaaga aactcgtcgc atctctctgt agtttcatca 240
 gttctttcta gatcgatcag cacacctgaa agtttctgtt cctgatgaaa tbtctgcaga 300
 tctagaaaaa agaagaacct agctcattcc tggagatctg catcgccact atatccaaac 360
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 tagtatggga ctgaccttgg ctgaaagcga gctgactaaa cttgatgcag agcgagacaa 480
 ggacgcgattg actttggaga aggagcggac atgtgcagaa cagattgttg ccaaaattga 540
 agaagtattg atgactgcctc aggcgtgtaga ggaagataag agctccacca tgcagtattg 600
 tattctcatg tatatgaac atttgggagt aaaagtgaag gagctctgaa atttggagca 660
 caaacggggt cggattggat tttctcccaa aatcaagcaa agtatg 706

<210> 247
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 247
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 tcaagaaatga gcccggtgggt ttctcgtagg ggccagaaat cagcagaggag ctcaaggacc 180
 tgatcctgaa gatgttagac aagaatcccg agacgagaat tggggtggcca gacatcaagt 240
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 gcgtggtgga ggtgacagag gaggaggtta agaactcagt caggctcatc ccagctggga 360
 ccacggtgat cctggtgaag tccatgctga ggaagcgttc cttggggaac cgtttggagc 420
 cccaagcacg aatggcgaa 439

<210> 248
 <211> 730
 <212> DNA
 <213> Homo sapiens

<400> 248
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 aagaagatca aaagaaact catgatittg aagagcagtg tgttgaaatg tatttcaatg 120
 aaaaagatga caaatcttcat tctgggagtg aagagagaat tctgttcaatg ttgaaaagag 180
 tggaaacagat gtgcattcag attaagaag ttggagatcg tctcaactac ataaaaagat 240
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 taagaccttc tgtatggaaa aagcatgggtg ttgtaaatat ccttagctctc tctcttctc 480
 aaggggatct tgaagaat aatccttttc attgtaatat tttaatgaaa gatgacaaaag 540
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 aactcgacga gagactacat ggggtagaac tcttaaaat atttaataaa aaacaaaaaa 720
 aaagggcggc 730

<210> 249
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 249
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 tccactctgg ggagaagccc aacaagtgtc cgtttgaagg ttgcgagaag gccttttcaa 240
 ggcttgaaaa tctcaagatc caactgcgga gccacacagg cgagaagcgc tatttctgctc 300
 agcatccggg ttgtcagaag gccttcagta actcagatga ccgcgcaaaa caccagcgga 360
 cgactctgga cactaaacct tatgcttctc aaattccagg atgtacaaaa cgtacacag 420
 acccaagttc ctaagaagg catgtgaagg cacattcttc caaaga 466

<210> 250
 <211> 963
 <212> DNA
 <213> Homo sapiens

<400> 250
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gcaccagac	ccacacgtcg	cagtcgccac	cacctcagtc	catccttggt	accggcaatg	240
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tctgtctca	tccagtcgc	gcggcggtg	accatctcgg	ctcttttggg	cttaactgcc	360
gctcctctgt	actctgtctg	actttggggg	caccatggac	caaagtggga	tggagattcc	420
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ctccttttct	ctgcttctcc	ctccagctct	tgaatcaaat	aggctctctt	tggttagacc	660
cgaggtattt	ttagttctga	ggttgtgtct	cctgagtggt	cgaaacatca	ttaaatattt	720
cctgatgagg	ttcagttaat	tagtaagagg	aagcagaagt	atcaagggac	ttaagaattg	780
cgaggcaaac	accggcgcg	gtggctcagc	cctgtaatcc	cagcactttg	ggaggccaag	840
gcggcgagat	cacgaggtca	ggagttcgag	accagcctta	ccggcatggt	gaaacccctg	900
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tgc						963

<210> 251
 <211> 894
 <212> DNA
 <213> Homo sapiens

<400> 251						
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cttatgggat	aggaggagcg	ggcgcccccg	gtttgtttct	atgaacaaga	tggatgacct	120
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tcatggaaac	tctggtgaag	ttggctgcta	cggtgcttct	cgacccctga	ccaaggacag	300
caattatttt	gaggtgtcta	ttgtggacag	tggagtccgg	ggcaccattg	ctgtggggct	360
ggtccctcag	tactacagct	tggatcacca	gcctggctgg	ttgcctgact	ctgtagccta	420
coatgctgat	gatggcaagc	tgtacaatgg	cggagccaa	ggcccgccat	ttgggtcaaa	480
gtgcaactcc	ggggacggga	ttggctgtgg	cattggccct	gtgtcctttg	atgtgcagac	540
cgcccagatc	ttcttcacca	aaaatgggaa	gcgggtgggc	tctaccatca	tgccccatgtc	600
cccagatgga	ctgttccccg	cagtgggcat	gcactccctg	ggtgaggagg	tgccgttcga	660
cctcaacgct	gagctggggc	gtgaggacga	cagcgtcatg	atggttgaca	gttaccagga	720
tgaattgggg	cggctacatg	atgtcagagt	ctgtgggact	ctgctggagt	acttaaggaa	780
gggcaaaaag	atcgtggatg	tggggctggc	ccaggcccg	caccactca	gcacccgcag	840
ccactacttc	gaggtggaga	tcgtggaccc	tggagagaaa	tgctacatcg	ccct	894

<210> 252
 <211> 861
 <212> DNA
 <213> Homo sapiens

<400> 252						
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aatgtcgccg	tggggcaact	cctggcacac	tgctcctctt	tcgtgctctc	ctgctcctga	180

gttcacaggac	cgacgcctcc	gaggaggacc	gggacggcct	atgggatgcc	tggggcccat	240
ggagtgaatg	ctcaocgacc	tgccggggag	gggcctccta	ctctctgagg	cgctgctgta	300
gcagcaaggag	ctgtgaagga	agaaatatcc	gatacagaac	atgcagtaaat	tgggactgcc	360
caccagaagc	aggtgatttc	cgagctcagc	aatgctcagc	tcataatgat	gtcaagcacc	420
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gtctcactct	ctgaatcact	catctttaca	ctttttagag	tttgtaaatg	gtgaagatt	720
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tgaatagtgt	taaaaaaaa	a				861

<210> 253
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 253						
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tttgtcgga	getgggattc	gtccccggat	gttggtgatg	gagttagctc	ccaaggggtc	120
cttgatgcgc	ctgcttcagc	aggacaaagc	cagcctcact	agaaccttac	agccacaggat	180
tgcactccac	gtagctgatg	gtttgagata	cctccactca	gccatgatta	tataccgaga	240
cctgaaaccc	cacaatgtgc	tgcttttcac	actgtatccc	aatgctgcca	tcattgcaaa	300
gattgtctac	tacggcattg	ctcagttactg	ctgtagaatg	gggataaaaa	catcagaggg	360
cacaccaggg	tttctgtcac	ctgaagttgc	cagaggaagt	gtcatttata	accaacaggg	420
tgatgtttat	tcatttgggt	tactactcta	tgacattttg	acaactggag	gtagaatagt	480
agagggtttg	aagtttccaa	atgagtttga	tgaattagaa	atacaaggaa	aattacctga	540
tccagttaaa	gaatag					556

<210> 254
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 254						
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aaaaaaaggc	agttatcccc	ctggggatcg	ggccaccctc	gactttaatc	tgccatagggg	120
ttctgggggg	tattctcctc	tacgggagga	aaggcttcca	aactgcccac	ttttacttaa	180
aggacagtc	atccccataa	gtaatatcca	ccctccacc	acctatcttt	ccaatttcaa	240
aggaggtcgg	accaattcca	ataaagcact	ttccaaagca	tgtggcgaat	ttacatgcaa	300
gtaggggggt	tactgaaaaa	tttgaacac	tgaaaaagtt	ttaccaggaa	gggcaagact	360
gtactgttga	cttaggtatt	acagcaaaaa	gctccaacca	cccagacaac	aggcacagga	420
atcgatcctt	aattg					435

<210> 255
 <211> 698
 <212> DNA
 <213> Homo sapiens

<400> 255
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 gaatgcagca gagaggactc gccatcgtgg ccttggtgtt ctgtgcgggc ctacatgcct 120
 caccagccat acttccattt gccctccagct gttgcacgga gggttcacat catatttcca 180
 gaaggctcct ggaagagatg aatatgtgtc gcatccagag agctgatggg gatgtgact 240
 tggctgtgtt catccttcat gtcaagcgca gaagaatctg tgtcagcccg cacaaccata 300
 ctgttaagca gtggatgaaa gtgcaagctg ccaagaaaaa tggtaaaagg aatgtttgct 360
 acaggaaaga acaccatggc aagaggaaca gtaacagggc acatcagggg aaacacgaaa 420
 catacggcca taaaactcct tattagagag tctacagata aatctacaga gacaattctt 480
 caagtggact tggccatgat tggtagtctt cgtctgttca cacaggctgg agggcagctg 540
 cgggatctcg gttcaccoca accttgcctt cacgggttca agggattctc gtgcctcagc 600
 ctcccaagtg gctgggattg cagggtgtcg ccagtacgcc tggctagttt tagtattttt 660
 tgttacagac ggggttttcc catgttggtt gggctggt 698

<210> 256
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 256
 gtttgaacag ccgggaaacc cgggcgaccc acgogtaoga actccgcccc catggggggc 60
 ccactttttt gctttgatcc cttcttcccc caaagaggtc ccagctaccc catcctccag 120
 aagggaaccc attgccccaa cagcagctct tctctctaaa aagacccagc caactctagc 180
 ccccaaaagag gccctcattc ccccgactat gactgttccc tcccctaaaa agacccagc 240
 aattccaacc cccaaagaag ccccgactac cccatcctcc aaagaggcct ccagtccccc 300
 agcagtgact ctttccactt acaaaggggc cccatcccc ccaagagctcc tcatccacc 360
 agctgtgact tctcttccc ccaaaggagg acctactcct ccagctgtga ctctccacc 420
 ccccgaaaaa ggcacagcaa ctccagcccc caaaggagct cccacttccc ccactgtgac 480
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 cactgttctc caagcatcta aagggttccc agcaaaagaa ggccccacag ctctgaaaga 600
 agtactgtgt gccccagctc cagaagagac gccaatcact acagctccca ctgggaaagg 660
 tccacagacc aaaaagagtt ctgctacttc acctcctata tgcccagatc cctcagctaa 720
 gaatggttct aaagga 736

<210> 257
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 257
 ctcgcctcc caaagtactg ggattacagg tgtgagccac cgtgccacg caagaccttg 60
 tatctttaa aaaaaa 77

<210> 258
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 258
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 tgtagagcaa ggattgcaag ggattattta gacaagttca tcaattaagt aaaattagac 120
 atgaaggata taagaatgaa tgataaagca agctaaaaat ggtgaaacaa gggatgtctg 180
 attggaagta gaagatattt atttaggttc taggacatta gtatcagtga ggacagtaat 240
 ttctgtctg tttgtatttc agtgatocaa tacacttctt taactgataa cgtctctctt 300
 ctctaggctg gttttgggta cggcttgcca atttctcgtc tgtatgccaa gtaacttcaa 360
 ggagatctga atctctactc tttatcagga tatggaaacg atgctatcat ctacttaag 420
 gtatcccttg aattccaatg caaatccgt tttctaaaac cattgctcct tttatagccc 480
 tgagtgcctat ggtccggag 499

<210> 259
 <211> 621
 <212> DNA
 <213> Homo sapiens

<400> 259
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 caaccaggaa gagggagcgg agtttaagga actggacggt ctgagggaag ccttggcaaa 180
 cctccgggga ctgtcagagg agggagaggag cgagaaggct atgcttcgtc cccgattga 240
 agagcagctc cagctcatct gcatoctgaa gggagggtca gatgaggccc tggagcctg 300
 ccagatccta gagctgtctc atgcagagct ggaggagaag atgatgcagg aggctgagaa 360
 gctcaagccc cagggtgagt acagtcggaa actagaggaa cgtcttatga cctagcagc 420
 caaccacagc tgatgtctcc gcttcaagga tgaatacaag agtgagaaca tcaagctgag 480
 ggagagcaat gagaagctga ggctggagaa taacagcctc ttcagccagg ctctgaagga 540
 tgaggaggcg aagattatc agctcacagt ccggtgtgag gccctcactg gggagctaga 600
 aacgctgaag gagaggtgtg c 621

<210> 260
 <211> 414
 <212> DNA
 <213> Homo sapiens


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<400> 250
agatccgggt gogagccaag cgtccgtgca ggtgcaggta ctgaaagagc aactcttttc 60
tgggcgatag ccttcacccat tccgctcctg cgcactcatg ggaatgtgtg gcagtagaag 120
cgctgataac ttgtcatgoc cttctccatt gaatgtaatg gaaccagtaa gctctcttcc 180
tcctaaatca ctgggggaagg gaatgataca acatttcaga caatagtttt cctcagttaa 240
gatgaatat atgtttatttt taaatacata atttgataaa ttattgttga ttggagtgta 300
ctttcacctt tgaaagtcca ttgctgtctg aagccactag aaagccacct gaattgcaat 360
agtgtattat cttttctgaet aaaggaggta atgcaccata aaaacatgta cagt 414

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<210> 261
<211> 620
<212> DNA
<213> Homo sapiens

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<400> 261
gttaaccacca ctactcatag cgttggacga gggcatgagc tacagttgct taatgaagaa 60
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acagaccagt atggagacat ctggacattg catgatggag gattccggaa ttataacacc 180
agcatagata tgcaaaaggg aaagctagat gacatcatgg agcatccaga aaagtctgac 240
aaggacagtt ctagtgttta caacacagct gagagctgca gaagtactcc gctcactgta 300
gaccgttccc ctgacagttc ccttccaagg gtgatcaacc tcaccaataa gaaaaacctg 360
agaagcacaa tggcagccac ccagtctctt tcoggacaga gcagtaaaaga gtgcacctcc 420
accaaaagcca aaaccactga gcaagggttg agcgtgaaa gcaaggagaa ggttttagaa 480
ggcagcaagc ttccctgatca agagaaggca gtcagcgaac acatccctta cctctctcct 540
taccacagct cctcatatag atatgcaaac atccagcac acgcccggca ttatcaaagc 600
tacctgcagt taattcaagc 620

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<210> 262
<211> 418
<212> DNA
<213> Homo sapiens

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<400> 262
gggtctgggg ctgcctggoc accgtgtcca ccacacaaga gatecaagga ctgccatttg 60
ggaactgcct gccgctcagt gatggccctc tcaacaatag cactgggatt cctttctctt 120
acatgacagc caaggacccc gtgggtggctg atctgatgaa gaaccccatg gcctgctgta 180
tgctgccaga atcagaaggg gagtctctgca gaaaaaacat cgttgatcgg gaagatcccc 240
gatgtgtcca gttaaagctc actggccaga tgatgcagtg gtctccagaa gaagttagaat 300
ttgccaaagc agccatgttt tcaaggcacc cagggatgag gaagtggcct cgtcaatatg 360
aatggttctt tatgaagatg aggatagaac atatctggct tcagaaatgg tatggagg 418

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<210> 263
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 263
 ttctgtcaga gccgcgggag gacggttgcc tggatattatt agcaagcagc aaatatggcg 60
 gtggcgcgcg tggacgcggc ttgacctccc ggagaaggat cagtgggtcaa ttgggtcaggga 120
 cagggaactac agaaattagg tccaaattta cctgtggaag ctgatattca cactttgatt 180
 ctggataaaa atcagattat taaattggaa aatctggaga aatgcaaacg ataatatagc 240
 ttatcagtag ctaataatcg gctggttcgg atgatgggtg tggccaaagc gacgttgctt 300
 cgtgtattaa atttgctcca taatagcatt ggctgtgtgg aagggtctaaa ggaactagta 360
 catctggaat ggctgaattt ggcaggaaat aatcttatag ccatggaaca gatcaatagc 420
 tgcaacgctc tacagcatct c 441

<210> 264
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 264
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 acaagagcga ggaggcgaag cgggtgctgc ggtattacct ctccagggc cagcgctata 120
 tctggatcga gaccagcaa gcccttctacc aggtcagcct cctggaccat ggccgctctt 180
 gtgacgagct ccaccgctcc cgccatggcc tcagcctcca ggaccacaaat gagaggaagg 240
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 acgaggccctt cagcatcgcg ctgtggctgg ctgaccacta ctactgggtac gccctgtgca 360
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 aggggtgggtg gatgcctgtg gatgccgcc tgggtggccgg cgagtgcgat gtgaatgata 600
 gctctctgac aggaagagagc attccagtgc tgaagacggc actgccggag gggctggggc 660
 cctactgtgc agagacacac cggcggcaca cactctctg cggaacccctc atctgtcatg 720
 ccggggccta tgtgggaccg cacgtcctgg cagtgggtgac ccgcaacaggt atgagccggg 780
 aggctgggct tgagagagat ccgggctcag cacccttgaa gaggtggagt gg 832

<210> 265
 <211> 714
 <212> DNA
 <213> Homo sapiens

<400> 265
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ggacgctgcc	atggctgtgc	tgaacggctc	caaccacgtg	agcaacgtca	cogtgaacta	120
caacatcacc	gtggagcgga	tgaacaggat	gcaggggcgt	cggtctctta	cagtgcacgc	180
cgtgctgtcc	cccaatgcc	cgctggcact	gaocggcggtc	gtgctgtgtg	actocggcgt	240
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agctacgttc	agcaacaaga	cgctgtgtgt	ggatgcagac	accacatcca	cggggcagcgc	660
aagcatgtga	ctggtgtctgc	ggcggggcgt	gctgocggag	ggcgagggat	acac	714

<210> 266
 <211> 1872
 <212> DNA
 <213> Homo sapiens

<400> 266						
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ccagaagccc	cttcacagatg	gggcccctcgg	gtcgcagcag	aacttggttc	gcataaagga	120
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cgggataaag	gagctcttacg	cgtgggacaa	cagaagaagaa	accttttagga	aatcatcatc	660
tggaatgat	gagacagata	aagagaagaa	aaaatttctg	ggatttttca	aagtttaataa	720
aagaagcaat	agtaagggtc	gtttaacgac	ccccaaactc	ccatccatgc	actcacgttc	780
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taaggaggag	aacagggaaga	gcacgatgtg	ttattgtctg	gcgtcaatcc	ctactcaggc	1080
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gaaactttct	gtctcactgg	taaaactaag	tgcttaaaaa	catgaactat	aaatgtatgt	1560
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gaaagaagtg	ggagaagaag	gggggtctat	tcattattct	attattatgt	tctcttctatt	1740
attctgttct	cttcatttct	ctattcattt	cttccaccat	ttattcaact	aacagtgaca	1800
tagtaattac	ttgatgctag	gtattacacc	agttttgtgg	gctataagag	tgaataacaa	1860
gcacgtgacc	tt					1872

<210> 267

<211> 684
 <212> DNA
 <213> Homo sapiens

<400> 267
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 gacttactat aaagctgtga taatcaaggc aatctgggtat ttatgaaagg ataaacacat 180
 agatcaatgg aataaagtcc aaaaccagac tcacataaat agcaattgat ttctgacaaa 240
 ggtgaaaaa gcaactcaatg gggaatggag agtttttcaa cagatgtatt taaaacaact 300
 gaacatccat atgcaaaaaa ataaacctac ctaaaatttca cagcttatac aaaaattaac 360
 ctaaaatgga tcaoggtatct aaatgtagaa ctaaaatttat aaaattttta gaagaaaaaa 420
 atccatagggc cgggcacgggt ggctcatgcc tgaatccca gcaattcaga ggcctgaggcg 480
 ggcatatccg ttgaggtcag ttcaagacca gctagccta tgggtgaaa tcccaactct 540
 actaaaaata aaaaataaaa aaaaataggc ctgggagtggt tgggtgcacac ctgtagtccc 600
 agctacttgg gagactgaag cacaagaatc acttgaaccc agcaggcaga ggttgagtg 660
 agtggagatt gtgccactgc accc 684

<210> 268
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 268
 ggtcagcagt ttccgcccgc gtccggcagc gagcgggagc cgtggggagc gtggagcagc 60
 ctgcgcctgt cgggcccact gaagccgctg cactacaatc tgaatgctcag cgccttcatg 120
 gagaactcca ccttctccgg ggaggtcaac gtggagatcg cgtgcgggaa cggcccccgc 180
 taogtagtgc tgcaacgcttc ccgagtgggc gtggagaaag tgcagctggc cgaaggaccg 240
 cggttcgggg cgtgcctctgt agccggtttt ttcccttacc cgcacaacca ggtcttagtg 300
 gtgggtctga ataggcaact ggaacgcgag aggaattaca atctgaagat tatctacaac 360
 cgcctcatcg agaataagct cctgggcttc ttccgcagct cctatgtgct ccaacggggag 420
 agaagattcc ttgggggttac tcagttttcg cct 453

<210> 269
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 269
 ggcacagaaa ctgggtgctta atttaatgcc aattcatgat gtagggtttct aagcagcaca 60
 taaaaggggc ttttttaggta gcactgagta ctttactaaa aatacaaaaa ttagccaggg 120
 ggggggggtgc agctctttaa tccagctac tcaggggcgg ggcacagggg tggggtaggg 180
 tgggggctga gacaggagaa gcacttgaac ccaggaggcg gaggttcag tgagctgaga 240
 ttgtgctact gtactccaac ctgggcaaca aacagagtga gacactgtct caaataaata 300

aataaataga	taaataaaat	aaaataaaat	aaaaagaact	cgacccctttt	tacaatagct	360
aaaggaaaaa	aaaatactta	agaatatact	taaccaagga	ggtgaaagac	ctctacaaag	420
aaactacaaa	aacactgctg	aaagaaatca	cagatgacac	aaacaaaaac	acatcccaag	480
ctcatggaca	ggtagaatca	atactgtgaa	aatgactata	ctgcc		525

<210> 270
 <211> 880
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(880)
 <223> n = a,t,c or g

<400> 270						
cccagtcacca	cattgagccc	tgatcccatc	caagtccata	gacttgccct	ctgaccaaac	60
ctgaccctgc	aattgtcact	taagggtggtc	ccatattcag	ctcagaccct	gaaccgagct	120
ctgaccctgg	cttctgactg	aatctgtgac	agactaaggc	ctgaccctgg	ccctatacca	180
cgctccacc	cgtgtcctca	actgagtgct	gaccccaaac	ctagacagcc	ctacctgatc	240
cttcccaccg	gctgtcccc	gccgcttcac	ctcaaaagtt	gaaggtgagg	agccggtaaa	300
caggtctgga	gcctgggtctc	agactcagcc	tgagcaagct	cagtcctggg	tcattggggc	360
tgtaaccccg	ggcaggccct	tggttagggat	gcagggtctc	accctagggg	tataagggat	420
ttctgtgcc	atcagaactt	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	atcttctgt	tagcatatgt	gatgaccttg	acctcacctc	540
ctcggcgcca	atatccctct	ctgtaaaatg	gcttatgcac	tacaaagtga	ggtcctggcca	600
gtgactacac	ctagaggcat	taagtgcctt	tggtgacctc	tgccctgcac	ctcacctctc	660
ccagcttttt	aacccctcga	ggaacctctt	taccttgagt	ccctcaccgc	ctacaggcca	720
tccatgagca	gatgaactgc	aaggagatc	aggaggacct	ggccctgcgg	gctcagaacg	780
atgcggtgc	ccggcgccg	tcagagatgt	ttaaggtgag	gctggctcag	ggtcgtggcc	840
tagcatcttt	aagttctggg	atccagctgt	gggtaggagg			880

<210> 271
 <211> 1066
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1066)
 <223> n = a,t,c or g

<400> 271						
tgaccctcgt	aagngcgttg	gaattccctc	acctgtgtgg	tcctcacctt	cctggggccac	60
cgctcgtgga	aacggtttct	ggtgcacaa	ctgaggaggt	ttctcaagcc	tacggggccat	120
cccgccctgc	tgctctggtt	taagagggtga	gtgagctcac	agcccgaggg	caggggcagg	180
gagggccctc	gagctgaggg	gttggtctca	gggttatggc	cagggctgga	ggaggaggaa	240
ggctctgtgt	catggagaa	tctctggcgc	cccaggggag	gagccagctg	gtggcttcaa	300

acaaagcagc	atctttgttg	tgtttcacca	gttcttagtc	ccagttacag	cagggtgactg	360
tgggtggcga	aaactggact	caacagtttc	ctccattcag	ggatcccagg	ccaatggagca	420
aggaggccoc	gaatcagtac	ctccctcaga	tcacctggac	agtgtagagac	aaaaagccgc	480
aggggccatc	ccgtggagggg	gattcagcag	gctcgatcgg	ggtccagggtg	ctgggtatttt	540
tcattagcct	ccaggggatt	ctgatgtagc	cagcagcgtc	cttggacaac	agtttgagat	600
ctgctgtctt	tcaaaactgga	tctcttggag	cgtcggaat	ctcagcgatg	tcacaggcgca	660
ggagagggag	gttgtggagg	gaaaattcag	acttcccgcc	cagcccacca	tttccacagg	720
cagctctaaa	tttatgtgtt	ttataagcca	aggttcacac	aaaaaagaaa	attcgctggg	780
gggaaaaaaa	cagtttctat	ggcttaaaaa	aaagtctgaa	gaccaccagt	ctatttcaat	840
actctatttt	gttgatgaag	aagctgggtg	ccaaagatac	ccaaagacta	agtcaggggg	900
atgcaggggt	acaggggtgc	ctctcacttt	cccaaagtga	gatccacata	ccacagcaaa	960
atgatttgag	ccagggtgtg	gatgaacaca	tttaaaattt	tatttataaa	tacattttact	1020
gttacatttg	actctctctt	attaataaca	tttgtgattt	ataaaa		1066

<210> 272
 <211> 659
 <212> DNA
 <213> Homo sapiens

taocggggaat	togtcaaccta	ccaaggggtg	gctgtgacgc	ggagccggaa	agaaggcatc	60
gcacacaact	acaaaaatga	gacggagtg	agagcgaaac	tgcacacagt	gatggcgtgg	120
ttcacagagg	aggacctgga	tctgttcaca	ctctacttcg	gggagccgga	ctccacggcg	180
cacaggtacg	gccccagatc	cccgagagag	agggagatgg	tgcggcaggt	ggaccggacc	240
gtgggctacc	tcocgggagag	catcgccgcg	aaccacctca	cagaccgcct	caacctgatc	300
atcacatcog	accaogggcat	gacgacogtg	gacaaaoggg	ctggcgacct	ggttgaatgc	360
cacaagtctc	ccaacttcac	cttcocgggac	atcgagtttg	agctcctgga	ctacggaccac	420
aacgggatgc	tgctccctaa	agaagggagg	ctggagaagg	tgtacgatgc	cctcaaggac	480
gccaccacca	agctccacgt	ctacaagaag	gaggcgcttc	cagagcgctt	ccactacggc	540
aaacacccca	gggtcacacc	cctgtgtgag	tacagcgacc	ttggctacgt	tacatctggg	600
gtgagtcgcc	tgctgagggc	accacctcca	ggggctccct	cccaggtctc	tggtctcttc	659

<210> 273
 <211> 412
 <212> DNA
 <213> Homo sapiens

acgcgacttc	tcgggtcgac	ccaacgcgtcc	gcacatataa	cacatcacgc	accttttgag	60
tggtacacct	ggttctcgcc	tttcttttca	agagaccatt	cttcaacaga	actgtaagga	120
ttctctcttg	ctgaatcaga	tgtgacgcac	ccacttctg	cgtttgaggt	ctagcacata	180
ccgctccaa	ggctttgagc	tcacagtgaa	gcactcacac	ggaagctgga	cgggcttcgg	240
tggggaagac	ctcgccacca	tcoccaaagg	gttgaaact	tattttcttg	tcaaatctgc	300
cactattttt	gaatcaaaga	atttcttttt	gcctgggatt	aaatggaatg	gaatacttgg	360
cctattttat	gccacacttg	ccaagccatc	aagttctctg	gagaccttct	tc	412

<210> 274
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 274
 gaattaagag ttactccggg ccaaatggcc ggagttgtca gatctggcag cgtcttcgct 60
 ggggctccag ggagctgctg ctgggggtga agctctcaca ctctttctcc acgtgccctt 120
 tccagttccc tgacatctgt gagttctcgc aggcctatgc caacgccggg aagacgtaa 180
 ttgtggctgc actggatggg accttccaga ggaaggtaag gcgtctgac caggctctga 240
 gctgggattg agggagggcaa gaggcttctg gatgggcaca gagacaccag ctctgggtga 300
 ccagggtcca gccaccacag ggttacggcc gagctgctca ggccttggct gagccaaggg 360
 actccatggt ctgtgcagac tgcgtgccat ctgttggcgc aggtgctttg aattggcaaa 420
 gggacagagc cgggcctggt gctctggggg ttgggggaag gactaaggtc agagcaaac 480
 ctctctggtt cagtacttgt gaatcagagg gtttaaaaga aa 522

<210> 275
 <211> 650
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (650)
 <223> n = a, t, c or g

<400> 275
 gaattctgct tatgcaccaa ttgcagctc ctgcaaccat gatgcagcct caccgggacc 60
 tttaaacatt ttccctttca cctaaaactg tatttttctc tgctaagacc ggctacccta 120
 ctttcatttt cctttcactc ttcttggctc ttttgggcct tttaggaatt tgggatgatt 180
 caggctctga caggcatggt actagattta ttttagctg ctcttttctg gttgtccaac 240
 aggcacaagg gagatttaaa tgatttatcc aatatttctc aaatagtcac gtgtttcatt 300
 tatccatat atagtccagc cttaatattg tttttgtttt gatttgttac actagtgcac 360
 acatagagac gtgaagccag aaaatatcct catcacgaaa cattccgtga ttaagccttg 420
 tgactttgga ttgtctgggc ttttgactgg accgagtgac tactatacag actagtggtc 480
 taccaggttg taccgtccc ctgagctgcn ggtgggggac acgcagtaac ggccccccgg 540
 tgggatgttt ggggcaattg gctgtgtctn tgcgtgagctn gctgtcaggg aagtgccctc 600
 ggtggccagg aaaaatcgga tgttgatca gctgtatctg attaggaaga 650

<210> 276
 <211> 497
 <212> DNA
 <213> Homo sapiens

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<400> 276
cccttgatga ccatctagtc agtgcggtgg aattcccatg acagacgtat ctgactggtc      60
atgtggtoag caagcctogc ctttgggtcag gccctggagg gtacagctga cccatagggc      120
cacttccatg gaactgggca agtggctgta ttggaaatga agtcgtttgcc cccgattttct      180
ttggggccag gttagctttt cctgcccaga gcacggaggc taaagggggg gggcctttgga      240
ctggatttggg gctgaccttc ccttacacct gcaggaggag gtggagagac aggtggcctgt      300
ggaggaaatgt gggcaccttc taactgtaact gtgctaacgc totcagcagg gtggccttgc      360
ggtaggtgtg ctgcgctgag cccacctggc ccccatggat gccaatggtt actcggagccc      420
ctctgtgcgc cttgtgagta actggggtag gcaggcggga ggtgaggata aggcgggtgac      480
tcctcacctc tccaggg

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<210> 277
<211> 428
<212> DNA
<213> Homo sapiens

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<400> 277
tgggtgaatt ctogccatgg aatatgcacc aggcggcact ctggctgagt tcatccaaaa      60
ggcgtgtaatt tccctgctgg aggaggagac catctgtcac ttctctgtgc agatcctgct      120
tgcactgcac catgtgcaca cccacctcat cctgcacoga gacctcaaga cccagaacat      180
cctgcttgac aaacaccgca ttggtgtcaa gatcgtgtgat ttccgcatct ccaagatcct      240
tagcagcaag agcaaggcct acacgggtgt ggtacccca tgcataatct cccctgagct      300
gtgtgagggc aagccctaca accagaagag tgacatctgg gccctgggct gtgtcctcta      360
cgagctggcc agcctcaaga gggctttcga ggctgcagac ttgccagcac tgggtgctgaa      420
gatcatgg

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<210> 278
<211> 427
<212> DNA
<213> Homo sapiens

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<400> 278
gtccagtggtg gtggaattca ccagggtgtcc ggggcagtg tagtatctgg gctgctgcag      60
ggcatgatgg ggctgctggg gactccgggc caagtgttcc cccactgtgg gccctgggtg      120
ctggctccca gcctggttgt ggcagggtgc tctgcccaca gggaggtagc ccagtcttctg      180
ttcacacact gggggttggc cttgctgtac gtgagtcctg agaggcgtgg gatgggtgcc      240
agtgggggtg tatgggggga ctaggggagg gcagaactgc tggctcctac agattcagca      300
gcgactggaa tagggacata ttttatattt ggaatccaag acttttccct gattcatctg      360
gtcctcctga atttcacact gttttctgtc gtcccccaag gtcacttctc attccttcca      420
tgggag

```

```

<210> 279

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<211> 561
 <212> DNA
 <213> Homo sapiens

<400> 279
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 aactctgtttt accgagaaga aacctacact ccaaaagctg agacggacga gatgaatgag 120
 gtggaaacgg ctccatttcc tgaagaaaac catgttttggc tcaaacogag ggtgatgaga 180
 cccaccaagc ccaagaaaac ctctgcgggtc aactacatga cccaagtctg cagatgtgac 240
 accaagatga aggacagggtg catagggtcc acgtgttaaca ggtaccagtg cccagcaggc 300
 tgcctgaacc acaaggcgaa gatctttgga agtctgttct atgaaagctt cgtatgcata 360
 tgcgcgcgcg ccatccacta cgggatcctg gatgacaagg gaggcctggt ggataacc 420
 aggaacggga aggtccctct ctctgtgaag tctgagagac acggcgtgca gtcctcagg 480
 taactactct gtgatcgagg ctctgtgaaa cggtttttct gtttatgacg gtgtgttga 540
 aattttgaaa aataccacac a 561

<210> 280
 <211> 792
 <212> DNA
 <213> Homo sapiens

<400> 280
 atttttcatg ccatgtggct acattgggtt tagaatacta ataaaaatcca ttgcttttaa 60
 aataaataaa taaaccccat agcacatcct ccatacaaca tctgttgcct ctcaagatc 120
 aatttgtacc actatcatct aacattattt ttatgataac tttaaaatat caacttggca 180
 agaaaatatt ccacaaaaca cactctgctt ttttacttta aagagtctct ggctacctgg 240
 gccaatatta ttctcatttg taggatttag gtctccacga atataatatg tgcctttttc 300
 tgtgttccct gcagatttgc aagtaaccac cctttttggg gccttacttt gcacctcag 360
 catctgggaa acaatgtttt cctgttgcag actctcttct gtgcagtcac cctcctgggc 420
 aatttgttct caccctgggc actgaatcac atgagccgtc gactaagcca gatgtctctc 480
 atgttctctac tggcaacctg ccttctggcc atcatatttg tgcctcaaga aatgcagacc 540
 ctgogtggtg ttttggaac cctgggtgtg ggagctgctt ctcttggcat tacctgttct 600
 actgcccgaag aaaatgaact aattccttcc ataatoaggg gaagagctac tggaaatcact 660
 ggaaactttg ctaatatctg gggagccctg gcttccctcg tgatgatcct aagcatatat 720
 tctcgacccc tgccttggat catctatgga gtctttggca tctctctcgg ccttgttctc 780
 ctctctcttc cg 792

<210> 281
 <211> 1047
 <212> DNA
 <213> Homo sapiens

<400> 281
 ggctctgtgt tcaagggatc atatgaaaag tgcccagcag ttcttccagt tgggtgggagg 60

atcagctagt	gaatgtgata	caataccagg	gaggcagtc	atggcttctt	gtttttctct	120
gcttaagcaa	ttttagatg	ttttgattta	cctcaactca	tttaagagcc	acttctataa	180
tgatgcacac	tttaacttta	attatgcca	agccaaagct	gcaacaggca	ataccagtga	240
gggcgaagag	gcgttctct	tgatccaaag	tgagaagatg	aaaaatgatt	acatttacct	300
cagctgggta	gctcggggct	atattatgaa	taagaaacca	agactagcct	gggaacttta	360
tccttaagatg	gaaacctccg	gcgagtcctt	cagtccttta	cagctcattg	ctaagtactg	420
ctacaagatg	ggccagtttt	actattctgc	caaagctttt	gatgtccttg	agaggctgga	480
tcctaacacct	gaatatgtgg	aaggcaaacg	gggtgcctgt	gtgggcattt	tcagatgat	540
catagctggg	agagaacca	aagagacct	tcgagaagtg	ctccatttac	tgagaagcac	600
aggtaaacacc	caagtagaat	acatgatccg	gatcatgaag	aaatgggcca	aagaaaaacg	660
agtgtccatc	ctaaaatagc	gccagtgcac	taggaaccag	cttctacttt	gacataaaac	720
tggaaatcat	tttcactcca	gctttaatct	gtgatacagg	gctctgtttt	attgacattt	780
tccttctctg	ctctttaagc	ctcaaggta	gagactgact	tgctgagact	tagtctctctg	840
gctgaacaga	gtgccatagt	ctgtgacct	gtatgatcct	agtagcaata	agattttgga	900
cttatctggt	gcctttcttc	caaaaatgct	cagagtactt	ttatgcaatt	tactgacttt	960
aaggaaaaaca	gtataacttt	ttttgtttag	cattttatgg	cattgtctcc	tggtctgcaat	1020
aacaaacatc	tttgatgttc	aagaatc				1047

<210> 282
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 282						
ctttaaaagt	ttctgatgaa	ttagtgacgc	aatatcaaat	taaaaaccag	tgcttttcag	60
caatagcacc	tgatgcagaa	caagaacctc	aaattgatcc	atatgcattt	gttgaaggag	120
atgagggaatt	cctttttctc	gataaaaaag	atagacaaaa	tagtgagaga	gaagctggaa	180
aaaaacacaa	ggtaagagaa	atcacagtac	accaaagggt	cactgttgat	ttgtagcac	240
tgcatatagt	aacactctta	ctaccacagt	tatctcactt	cttttgtctt	agaatagaaa	300
gagtaatcat	ttatttagaa	aaacctattt	ttgcccggct	gcggtggctc	atgcctg	357

<210> 283
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 283						
ctggggtgcc	cgcgaacctg	ccttccagcc	tggagtatct	gctgtgtgct	tacaaccgca	60
togtcaaaat	ggcgccctgag	gacctggcca	atctgaccgc	cctgcgtgtg	ctcgatgtgg	120
gcggaaattg	cgccgcctgc	gaccaagctc	ccaacccctg	catggagtgc	cctcgtaact	180
tcccccagct	acatccgat	accttcagcc	acctgagccg	tcttgaaggc	ctgggtgtga	240
aggacagttc	ttctctcttg	ctgaatgcc	gttggttccg	tgggctggga	aacctccag	300
tgtgtgacct	gagtgaagac	ttctctac	aatgcatac	taaaaccaa	gccttccagg	360
gcctaacaca	gcctgcgaag	cttaacctgt	ccttcaatta	ccaaaagagg	gtgtcctttg	420
ccacactgtg	ctctgggcc	cctttctctc	ggggaagcct	gggtcgcccc	ttgaaggag	480
ctgggacatg	gcacggcaat	cctttcttcc	cgctccactt	cgaatggggg	aagacc	536

<210> 284
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 284
 gtatcttatt tgccggcgtg atctggagtt cgttcgatga gaatatagaa gcttcagccg 60
 gaggcggcgg tggttcgtcc atcgacgctg tcatgggtga ttccaggtcg gtggttgagc 120
 agtacaaacg catgcaaacg caggaatcaa gcgcgaagcg ttctgatgaa cagcgcaaga 180
 tgaaggaaca gcaggctgct gaagaactgc gtgagaaaca agcggctgaa caggaaoccc 240
 tgaagcaact tgagaaagag cgggttagcgg ctccaggagca gaaaaagcag gctgaagaag 300
 ccgcaaaaaa ggcgagtgta aagcagaagc aagctgaaga ggcggcagcg aaagcggcgg 360
 cagatgctaa agcgaaggcc gaagcagatg ctaaagctgc ggaagaagca gcgaagaaag 420
 cggctgcaga cgcaaaagaaa 440

<210> 285
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 285
 gcgatgaaaa tcgtccacga gccgcgcgac ctogagcgtt acatgcgcga ggcggtgaag 60
 gtgtgcaacg attcgcgggt gctgctcgac cgcttctga acgacgcgat cgagtgcga 119

<210> 286
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 286
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 atttaaatgc tgtccccagc ttaogactat ggctatgtct gcgtggagtt ttactctttg 120
 gaagatgccca tcggatgcat ggaggccaac caggttgctt tatacttcgg tcaaalgatg 180
 ctggaaggat atattttttt atatatgggg agggagggtt tcaaatgatt ttacttttga 240
 aaggtacaag aagtctatct gtggagcata ctgtattcca accatcggtt gtgaggaaaa 300
 tctttaaaaa ggctggaaag ctttctctag aaaacttaat gggcacagag tgcattttaa 360
 aagctagagc ccagttgctt ttggactaga ttccaaaa 398

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<210> 287
<211> 1177
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1177)
<223> n = a,t,c or g

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<400> 287
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gcgcttcaca cagccctcca agatgaggcg cgggtgatc gcacggcccg tgggtagctc 120
ogtgoggtcc aagtgcgtgg ccagcgggca cctcggccc gacatcacgt ggtgaaagga 180
cgaccaggcc ttgacgcgcc cagaggccgc tgagccagg aagaagaagt ggacactgag 240
cctgaagaac ctgcggccgg aggacagcgg caaatacacc tgccgcgtgt cgaaccgcgc 300
ggcgcccatc aacgccacct acaaggtgga tgtgatccag cggaccogtt ccaagccogt 360
gctcacaggc acgcaccccg tgaacacgac ggtggacttc ggggggacca cgtccttcca 420
gtgcaaggtg cgcagcgagc tgaagccggt gatccagtgg ctgaagcgcg tggagtacgg 480
cgccgaggcg cgccacaact ccaccatcga tgtggcgggc cagaagtttg tgggtgctgc 540
cacgggtgac gtgtggtgcg gccccgacgg ctctactctc aataagctgc tcatacccg 600
tgcccgccag gacgatgcgg gcattgtacat ctgccttggc gccaacacca tgggctacag 660
cttcgcgagc gcttctctca ccgtgctgcc agacccaaaa ccgccagggc cacttgtggc 720
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tgtcttcate ctgggcaccc tgctcctgtg gctttgccaag gccacagaaga agcogtgcac 840
cccgcgcctc gccctcccc tgcttgggca ccgcgcccg gggacggccc gcgacgcgag 900
cggagacaag gaccttccct cgttggccgc cctcagcgct gggccctggtg tgggctgtg 960
tgaggagcat ggggtctccg cagcccccga gcaactactg ggcccaggcc cagtttgttg 1020
ccctaagtgt taccccaac tctacacagg acattocaca ccacacacat acacacccc 1080
cccaccctcc tgccaattaa acagtgcga ttcccccnaa atnnnnnnnn nnnnnnnnn 1140
nnnnnnnnnn nnnnnctcgg ccccccgcga ttccaccg 1177

```

```

<210> 288
<211> 100
<212> DNA
<213> Homo sapiens

```

```

<400> 288
tgaattttca ttttacaggg aagtgtttgt ttatgtcagg gctcagtgag gtccagctga 60
cccatatgga tgatcacact ctaccagggt attgaagctc 100

```

```

<210> 289
<211> 406
<212> DNA
<213> Homo sapiens

```

```

<400> 289
cggcacgagc ggcacgagag tcagaggggt ttaatttact tgtgaagctc acactattga 60
aactaattgc aatgcttgac tttattttct ttagagttcca agaaagagaa aaacaaggga 120
tagacaaaat cccctcttag agtgctcatgt tgggtgggta atggattcca gagaccatgg 180
gccaggaaac tctctgttca gcaattcaaa tgcttcacct tcagaaggcg caccactagc 240
aggaagttat ggatgtactc ctattcatt ccaaaagttc cagcctctct ctcatgaact 300
tttgaaggaa aatggcttta cccaacaagt gtaccacaag tatcgtcgaa gatgectaa 360
tgagagaaaa cgcttgggaa ttggtcagtc ccaagaaatg aatacc 406

```

```

<210> 290
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<400> 290
ccggcagcgc gcggcagcgc ggggggcccga gacggcagtg cctaccaggcg cgcgtgttg 60
cctcgagaac agttcgccgc ccgcttggg cggcgggtgg ggacctcgta ctccgcccacc 120
taccggcctc acgtgagccc cgacgtggcc cagtcctgga ctgcggggcc ctctgatggc 180
agcgtcctgc acggcctccc aggcgcgagg cccaccttcg tgtccgactt ctggaggag 240
ttccgggtg agggctctga gtgtgtcaac tgcggggccc tgtccacacc gctgtggcgc 300
cgagatggca ccggccacta cctgtgcaat gcctcgggcc tctaccacaa gatgaatgg 359

```

```

<210> 291
<211> 954
<212> DNA
<213> Homo sapiens

```

```

<400> 291
cccagatcat cyacatggtg cgttgtgggtg gtggtacagc tgtggagtct tacctgtcac 60
agtgtcaaga aatgaagggg atgaacggaa ccaggtgctg accctgtatc tgtggatagc 120
gcaggagtg gacagatgct acctacgatg ggaccccacat gcctatggtg gcctggatgc 180
catcgcgcat ccacgacgtc ttgtgtggcg gccagacatc gtactctata acaagtactg 240
cctatctggg cccctctctc ctcttaccoc tctctagact tgcccttagc tgtgggggtg 300
tagtgcctcc ctctccctac cacataacct ggttgccacg ctgcccctgga agcttttccc 360
caggacccct ctaagctgcc aagcaactcag cccctccatg gcaccccac tttaggctat 420
cccaggccag cccaggctga acgtctctct ggaacctact gtgtggtcca gggcagatgt 480
ctgaatcaca agggcctctc tagggcacac ttttagctct aagtctctca gggctcccc 540
aagagcctgt ctaagggctc ctctctccca ggacatagcc ctctggaaaca ctgctttatg 600
tctccttgac cagttccgtg tctccagccc agcacatagc tctgcatatt tctctgggg 660
ccctctcaca agtttttgag atgtccccc agggaaagtc ctgtgtgtcc cggagctacc 720
tctgggttct gcagaggcct ttttatacat cctctggcta cgtctgtgtc cctctggcg 780
ccttcaggca ccacccttc caggcctcga aaggcagcgg gtctctctag gtgcaatcca 840
ccctctgtgt tgctttgttc tgaatacaag aatcaaatca acgaaaaaaa aacaagcaca 900
agttttatcta ttattttgag acacagcctg ggcaagagag tgagacttca tctc 954

```

<210> 292
 <211> 595
 <212> DNA
 <213> Homo sapiens

```

<400> 292
tacgcactga ctgggtgcgtt gggtattgtc accgggatgg tgatgggaaa tatcgccgat    60
tatttcaatc tgccctgtttc cagtattgagt aataacctca ccttcctcaa cgcggcgatt    120
ttaatctcta tcttctctcaa cgcctggctg atggaatacg tcccgttgaa aacgcagtta    180
cglttttgct ttctctcgat ggtgctggcg gttgcccgtt tgatgttaag ccacagccgtg    240
gcgcgtttct cggcgcgcat gttcattctc ggggttggtc gcggcatcac catgtcgatt    300
ggtaacatcc tggtaacaca aatgtatgaa gggcgctcagc gcgggtcccg cctgttattt    360
accgaactcct tcttcagtat ggctgggatg attttcccaa tgatcgccgc gtttctactg    420
gcgcgcagca ttgagtggtt ctgggtttat gcctgcacgc ggcgtggtga tgcgctattt    480
tttattctga ccttcggctg tgagttcccg gcgctgtgca gccatgcgac taagtggggt    540
accgccagta gttatcccaag tctggacggt gtacagctac ggacattgaa tgcgt      595

```

<210> 293
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = a,t,c or g

```

<400> 293
tcttgaagag cgcctgctga tcaacaccag ctttaagcaa gaacagcgctc gggaaaaagc    60
cctgtcgatg atggcgaaag tcggcctgaa aaccgagcac tatgaccgct atccgcataat    120
gttctccggc ggtcagcgto agcgtatcgc catcgcccgt ggtctgatgc tcgacccgga    180
tgtggtgatt gccgatgaac cgggtttccgc gctggatggt tcagtgcgcg cgcagggtgt    240
gaatctgatg atggatttgc agcaggagtt ggggctgtct tatgtcttta tctcccaaga    300
cctgtcggtg gtggagacaa ttgctgatga agtgatgggt atgtacctgg gcgcgtgcgt    360
ggagaaggga acgaaagacc aaatcttcaa taaccgcgcg catccgtaca ctcaggcgct    420
actttccgcg acgcgcgcgc tgaacccgga cgatcgccgc gagcgcatca agctcagcgg    480
tgaactacca agccccactg atccacgcgc gggttgccc tcaacgccc gctgtgtgtg    540
gcgnttcggc cc                                     552

```

<210> 294
 <211> 426
 <212> DNA
 <213> Homo sapiens

```

<400> 294
tagcgccacc cttgaacggg tactaaatca ccctgacgaa acgcaagccc gacgcttaat      60
gacgctggaa gatatcgta cttggttatcc caatgtgttg atttccctgg cagatagta      120
gggtaaaacg gtgtatcaact ccccggtgac gccgcatatc cgcgagttta cgcgtgacgc      180
catacccgat aaagacgctc aggggtggcga ggtgtatctc ctttcggccc cgacgatgat      240
gatgccagcg cacggtcacg ggcatatgga acacagcaac tggcggatga ttaacttgcc      300
ggttggcccg ttggtggacg gcaaacccgat ttatagctc tacatcgccg ttctgatcga      360
ttttcatctt cattacataa atgatttgat gaataaacctt attatgacgg catcggtaat      420
catcat

```

```

<210> 295
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<400> 295
gggtgctggc gtatccgggg attaaagtct cgacggcaga agccagggct attttacgg      60
cgagtatcgc cgcgccagga tgcattgcgc acggggcgaca tctggcaggc ttcatttcacg      120
cctgctatcc cgtcagcctt gagcttgccg cgaagctgat gaaagatgtt atcgctgaac      180
cctacgctga acggttactg ccaggcttcc ggcaggcgcg gcaggcggtc gcggaatcg      240
gcgcggtagc gagcgttate tccggtcccg gcccgacctt gttcgctctg tgtgacaacg      300
cggaaacgcg ccagcgcgtt gccgactggt tgggtaaaaa

```

```

<210> 296
<211> 281
<212> DNA
<213> Homo sapiens

```

```

<400> 296
cgggcagcag cagcgcgtgg cgttgcccg cgcgtgctgc ctcaagccga aagtctgct      60
gtttgatgag ccgttgagta acctcgacgc caacctgcgt cgcagcatgc gcgacaagat      120
cgcgagcttg caaaagcagt ttgatatac ctcgctgtac gtcacccacg atcagagcga      180
agcctlttgcg gtttctgata ctgtgctggt gatgaacaag gggcacatca tgcagatcgg      240
ctcacccgag gatctccggg tacggagatt gaattggtaa t

```

```

<210> 297
<211> 155
<212> DNA
<213> Homo sapiens

```

```

<400> 297
tggtcggtgca ttaccetgag cgggtgagaa ttgcogaaca tgcgcataag ttccccggac 60
agatttcagg tggtcagcag caacgcgttg ccattgcgcg ttcgctgtgt atgaagccga 120
aaattatggt gtttgatgag ccaacgtcgg cgctc 155

```

```

<210> 298
<211> 217
<212> DNA
<213> Homo sapiens

```

```

<400> 298
gtccctcatg acgccgaaaa ttattttgat tatgacaate tgaataacgg acctctcttg 60
cagcaactggt ttggcgtcga ttcaactgggg cgtgacattt tcagcgtgtg cctgggttgg 120
goccaaatct cgctggcggc gggcgtgttt gccgtgttta tcggtgcggc gatcgggacg 180
ttgctgggct tgctcgtcgg atattatgaa ggcgtggt 217

```

```

<210> 299
<211> 568
<212> DNA
<213> Homo sapiens

```

```

<400> 299
aggtattctg tctgatcgct gacottgacc cगतगतga gcttgtggac ttcccgatcg 60
tttaacgttc tgctgtgaac ggtatgcggg gtctggacca cgaagatatg gcggaagaca 120
tgaccccgct gtaccaggcg attgttgacc acgttccctgc gccggacgtt gacottgacg 180
gtccgttcca gatgcagatt tctcagctcg attacaacag ctatgttggc gttatcgcca 240
ttggcgcat caagcgcggt aaagtgaagc cgaaccagca ggtcactatc atcgatagcg 300
aaggcaaaac ccgcaacggc aaagtggta aagtgtcggg ccacctcggg ctggaacgta 360
tcgaaaccca tctggcgga gctggcgata tcttgcgat caccggcctt gggaactga 420
acatttctga caccgtttgc gacaacgcaa acgttgaagc gctgccggca ctctccgttg 480
atgagcgac cgtttctatg ttcttctcgg ttaacacctc gccgtttcgc ggtaaagaag 540
gtaagttcgt aacgtctcgt cagatcct 568

```

```

<210> 300
<211> 366
<212> DNA
<213> Homo sapiens

```



```

<400> 300
caaggcaccc ggcgtgaatc tcaagggtcc tccaaagata aaaccogtct tgcttctgct 60
ggcctgaaat tcgggtgacta cggctccatc gattacggcc gtaactacgg tgtagcatac 120
gacatcggtg cgtggactga cgtcctgccca gaattcgggtg gtgacacttg gactcaaaacc 180
gacgtgttca tgaactcaacg tcgcaactggt gttgcaacct atcgtaacaa cgaacttcttt 240
ggtctggttg atggtctgaa ctttctgctc cagtaccaag gcaaaaacga tcgtagcgat 300
ttcgataact acactgaagg taacggccac ggcttcgggt tctctgctac ctatgaatac 360
gaaggg

```

```

<210> 301
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<400> 301
gcgataccta ttcogtttct attcogctgg gagccaccat caatatggcg ggcgacagaa 60
tcactattac cgtgtttgacg ctgggtggcg ttaatacgcg gggtattccg gtogatctgc 120
ccacggcgct gctgttgagc gtggtggcct ctctgtgtgc ctgtggcgca tcogcgctgg 180
cgggggggct tctgctgct

```

```

<210> 302
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<400> 302
gccaacggcg agcaagggtc gccagtggt atcacccctga agctaaataa ccttgtcgat 60
aaaggccttg ttgatcgtct gtatgcggcc tccagctcgg gcgttcoggt taatctcgat 120
gttcggcgaa cgtgttgcgt

```

```

<210> 303
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<400> 303
cgcgcgaaat acgctcatcc ccggcacaca tctgctggaa aacatccaca acatctgggt 60
gaacggggta ggcaagaata gcgcgcogtt ctggcggatg ttgcttaaca gcttttgtgat 120

```

```

ggcggttcagc attacgctcg gcaaaattac cgtctcgatg ctctcgcat ttgccattgt 180
ctgggttcgt tttccgctac gtaacctctt ctctcgatg atttttatca ccctgatgct 240
gccgggttgaa gtaacgtatct tcccgacggt ggaagtcac gccaacctgc agatgctcga 300
cagctacgcc gggttaacgc tgcgctgat ggctcgcg accgctactt tctgttccg 360
caagttaaat atgtcggggc cggacaaggt ggtgccagcc gcgcgatct cgggtaacg 420
acctagagtt cgtagcaag a 441

```

```

<210> 304
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<400> 304
ctgtcgaaa tgtttgcgtg atgcggatga atgcccctcc gggcggttg aacggattgg 60
tcgcatatc agccttgacg ctctggaacg ggaagtgatg aaagatgaca tttcttttcg 120
cagctcgccg gccggcgctca cgttttctgg cggcgaaagt ttaatgcagg cggagtttgc 180
taccogtttt ttacagcgac tcggtctgtg ggggtgtgca tgcgccattg aaactgcccg 240
agacgcacca gccagcaagc tattaccgct gccgaaattg tgcgatgaag tgtgtttcga 300
tttaaaaatt atggacgcga ctacggcgcg ggatgtggtg aagatgaacc tgcaccgct 360
gctggagaat ctgcgtttgc tggtagtgta gggcgtaaac gt 402

```

```

<210> 305
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<400> 305
tacctgttat tgtttgtctg ctcccttggt atgtctctgc tgggtgggct ggtgtacaaa 60
tttacgcgcg aacgcgcggg caaacagtcg ctggatgatt tgatgaacag ttogctgtat 120
ctgatgcgca ggaattgctg tgagatcccc ccacacgact ggggtaaaac tctgaaagag 180
atggatttaa atctctctt cgatctcggt gtcgagccac tgagtaaaata ccattctgat 240
gatatttcca tgcaccgact gcgtggcgcc gaaattgtcg cctggaaga toagtacaag 300
tttttcgacg gtatccgcgc cagccactac gtgctggcag ttggtc 346

```

```

<210> 306
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<400> 306

```

gttgaattat	tcttcagcga	tgaaggcgat	gatgtggtga	ttgaagtcgc	cgatcagggc	60
tgcggtgttc	cagagtcctc	acgagacaaa	atatttgagc	aggggggtcag	tacgcgtgct	120
gacgagcccg	gtgaacatgg	cattgggttg	tacttgattg	ccagctacgt	aacgcgtctc	180
ggtggtgtta	tcactctoga	agataat				207

<210> 307
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 307						
tgcagcccat	tatcgccccc	gatgcccaacg	cctcgccccc	tgcgcacaaa	gcgcagaaaa	60
acttgaaaaa	tgacaaaagta	gcgattgtcg	gattcagttac	gccaaatgtg	atgcgcccgt	120
atgtagagcg	cggcacgggtg	aaagaatttg	gcctgtggga	tgtggttcag	caaggcaaaa	180
tatcagtgtta	tgtggcggat	gcattacagt	aaaa			214

<210> 308
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 308						
tacatcgtag	tgacggggaa	aacacattgc	ggtacgccac	ttactaccgt	tacaggagac	60
gcaacgcaat	cgggttatct	gaagctgaac	ctgcctgaaa	tgtgggaagt	gtcagggttat	120
aacggtgtt						129

<210> 309
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (358)
 <223> n = a, t, c or g

<400> 309						
gccggttttg	ccgcattcaat	ggtgcttagc	gatgactcaa	cgtaccagtg	cgccgactgc	60
aaatctgcc	gccggggccag	taaggagtac	cccagttcat	caagaagctg	gcttgccact	120
ttcggaacg	cgacgcgatt	aagcttcaat	gactttgtct	ggttatttgt	aagtgcgctt	180

aacogtgcct	caataatctt	cattttcccc	gcgacatcgt	tgagctgctg	ccgggttttg	240
ctggcattaa	tatcgggttc	cacaccttca	actgaagaag	taatcccggt	ctgatatagc	300
tggcgatcgg	tcgcgataat	ggcgntctgc	tctttttcta	tttgcctgcaa	gaccgtgg	358

<210> 310
 <211> 253
 <212> DNA
 <213> Homo sapiens

tgccggcctt	ctcgagagaa	tattgccgag	gagtagcgga	ctaaacgcta	togttctaac	60
gtcatcaact	gggggatggt	acogctgcaa	atggcggaag	taccaacctt	tgaagtgggg	120
gattacattt	acatccctgg	cattaaagcg	gcgctggata	atccgggtac	gacgtttaaa	180
ggttatgtga	tccatgaaga	tgccgggta	acggaataa	cgctctatat	ggaagtcag	240
gaagccagaa	cag					253

<210> 311
 <211> 304
 <212> DNA
 <213> Homo sapiens

gctgcaaaact	gaaattggca	gcattggtcta	tgccgtgaaa	ccaggcgatg	gttctgcgcg	60
tgaacaggcg	gcgagctgcc	agcgtgtgat	tggcggtctg	gcgaatatgt	ccgaggagta	120
cgcgactaaa	cgctatcggt	ctaacgtcat	caactggggg	atgttacgcg	tgcaaatggc	180
ggaagtacca	acctttgaag	tgggggatta	catttacatc	cttggtctta	aagcggctaa	240
gtatagtccg	ggcaccggcg	ttacagtcta	tgcatctccc	gggtacggac	ctcgaatctg	300
ataa						304

<210> 312
 <211> 344
 <212> DNA
 <213> Homo sapiens

actctagagg	atctgctgat	ggcgtagat	ggagagcaac	atcttcagca	acaggtatcg	60
gaaaaagtat	tagccgataa	tgtgttaatt	gccctgggtt	ctgttaaacc	tgatgcgaca	120
ttctggtcgg	ccttaatcca	ggatcgctat	aacgtgatga	cctgtattga	aaaagacgcc	180
tcgctccctg	tcgagcaaga	tctgaatagt	gatggtcagg	cgagcgat	cctgtttgct	240
tttaatgatg	acagatgcat	tgtctatggc	tttgactcag	acagaaaaga	atgggacgcg	300

cttgatgatga gtttacttcc gaacgaataa acgaagaaa aatt

344

<210> 313
<211> 630
<212> DNA
<213> Homo sapiens

<400> 313
agagtcaaat agcagatgca ggaagatgcc aggtgaaaga tgcgggggtg gccacagctcg 60
gctgtccctg ctgcttgacc tgcccactcg cctctctccc caccgccagc aggtgatgtga 120
cttcggatcc gccagcattt tcagcgaggt gcgctacgtg aaggagccat acatccagtc 180
gcgcttctac cgggcccctg agatcctgct ggggctgccc ttctgcgaga aggtggacgt 240
gtggtccctg ggctgogtca tggatgagct gcaactgggc tgccctctct accccggcaa 300
caacaggtac gaccaggtgc gctacatctg cgaaccacgc ggccctgccca agccacacat 360
gttgacgccc gcctgcaagg cccaccactt ctcaagcgc aacccccacc ctgacgtctgc 420
caaccctcg cagctcaagt cctcggtgta ctacctggcc gagacgaagg tggcccatt 480
ggagcgccgc aagtatatgc tcaagtcgtt ggaccagatt gagacagtga atggtggcag 540
tgtggccagt cggctaacct tccctgaacc ggagcgctg gcggagcagc ccgacctcaa 600
gagcatgggt gagctgataa gcgctgctc 630

<210> 314
<211> 2285
<212> DNA
<213> Homo sapiens

<400> 314
cgctctgtaa agaaacagagt tgagtgtagg cagtgtggga aggcggcagc gaaccagtca 60
acgtcgaaag cgcacatgcg aagccacacg ggggagaaac cgtacgaatg cgtacactgt 120
ggtaaggccct tcagcatagg ctccaacctg aatgtgcaca ggcggatcca caccggggag 180
aagccctacg aatgccttgt ctgcggggaa gccttcacagc accactcacc ootcaggagc 240
cacgtgaaaa ctaccggggg agagaagctc ttgtgtgcat ccgtgtggaa aaggctccagc 300
tgagcgcgcc tgccttgagc acacaggatg attcagacgc gaaacagacc tegtgggtgt 360
aagaggaagc ctctgtgagc tcgcacctta ctgggtgcaa aagaatccac ggaacttggg 420
agaagctcag ttctgttaaa aactgggaag acgagcgctt ctcatcccat agggagtttg 480
tgagaactca cgcggggggt gaaaatgtac gtctgtagca tggagaagcc ttacgggtac 540
attcagctct taacaaacac aggaaggactt aatggcagct tggcatttaa tgcataaatc 600
caagcgcgtg catttaattg caaaatgact tcagaccact tctagccttc tgggccattc 660
agtaataatg agcacactag ggagcatctc tctaacaaca gtggctgggg aaacctctcc 720
tagtctcact tgattctcca tgacggaaat cacactaaag agagaaatca gtgaagtga 780
gaacgtggaa ggtcatgaat gggccgcaaa ccaaggccag ctgcttgtct ttgtatggct 840
tgccagctaa caatagtgtt tccatcttta aggaagaaga atgtttgatg gagaataatt 900
gtggccaagt aagtcgtaaa tacttctctg catctgcccc ttccagaaaa aacttgccc 960
acccttggtc tacagcaagg gttctcagtc gggcgacgat ttggctgtgt aggcgtcatt 1020
tggcaatgct tagagcattt ttgggtagtt agaattgggg gaagatactc ctgacttgta 1080
ataagaagac attcagagat ctgcctaagt ggctccagca cacaggagac ccccaacaag 1140
aagagtttagt gcccaccaac gtcactgttg ctgaggttga aaataatcat gcaactcatt 1200
ctcaattact gctccacaga attctccat ttttatgaat cttgtgagca cttacgctag 1260
gagaaatttc ttttcaaaaa cttttaaaat acagttagtg ctgataatc ctatgtggaa 1320

atgattccag	ccatgggtccc	ctcacttgag	catgtgaata	ttctcacgga	gagaagcccc	1380
agcgagattt	tccggtgaat	acgggatttc	acttactctt	tcactcacga	aacagacccc	1440
cgagagaagc	cccaacgaga	ttttccgggtg	aatacggggac	tgcaogtact	ctatcatcat	1500
gaaaaacagag	ccccgttccat	aaattttttca	tctttatattt	taagggttata	ctctctctaaa	1560
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<211> 867
<212> DNA
<213> Homo sapiens

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<210> 325

<211> 1925

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1925)

<223> n = a, c, g or

<400> 325

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tcacca						1925

<210> 326
 <211> 1181
 <212> DNA
 <213> Homo sapiens

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<210> 327
 <211> 1842
 <212> DNA

<213> Homo sapiens

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<400> 327
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<210> 328
<211> 1293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1293)
<223> n = a,t,c or g

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<210> 329
 <211> 1734
 <212> DNA
 <213> Homo sapiens

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<210> 330
 <211> 2105
 <212> DNA
 <213> Homo sapiens

<400> 330
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 338

<211> 1796

<212> DNA
<213> Homo sapiens

<400> 338

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<211> 1771
<212> DNA
<213> Homo sapiens

<400> 339

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 <212> DNA
 <213> Homo sapiens

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 <211> 916
 <212> DNA
 <213> Homo sapiens

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<210> 343

<211> 3658

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(3658)

<223> n = a,t,c or g

<400> 343

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<210> 344
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 344						
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<210> 345
 <211> 1253
 <212> DNA
 <213> Homo sapiens

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<400> 345
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<210> 346
<211> 807
<212> DNA
<213> Homo sapiens

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<400> 346
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<210> 347
<211> 918
<212> DNA
<213> Homo sapiens

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<400> 347

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<210> 348
 <211> 1893
 <212> DNA
 <213> Homo sapiens

<400> 348

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<210> 349
<211> 1433
<212> DNA
<213> Homo sapiens

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<400> 349
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<210> 350
<211> 1062
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1062)
<223> n = a,t,c or g

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<400> 350
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<210> 351
 <211> 1227
 <212> DNA
 <213> Homo sapiens

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<400> 351
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<212> DNA

<213> Homo sapiens

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<210> 390
<211> 1325
<212> DNA
<213> Homo sapiens

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<400> 390

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<210> 391

<211> 1458

<212> DNA

<213> Homo sapiens

<400> 391

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<210> 392
 <211> 1667
 <212> DNA
 <213> Homo sapiens

<400> 392

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<210> 393
 <211> 1938
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(1938)
 <223> n = a,t,c or g

<400> 393						
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<210> 394
 <211> 1283
 <212> DNA
 <213> Homo sapiens

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 <211> 2149
 <212> DNA
 <213> Homo sapiens

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2149

<210> 396
 <211> 1895
 <212> DNA
 <213> Homo sapiens

<400> 396
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<211> 2354

<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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[illegible]


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<211> 668
<212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <211> 1042

<212> DNA
<213> Homo sapiens

<400> 413

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<210> 414
<211> 1849
<212> DNA
<213> Homo sapiens

<400> 414

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 <211> 2555
 <212> DNA
 <213> Homo sapiens

<400> 415	
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gtttggaggg	540
tccgatggat	600
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tgaattgtct	900
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atttcatctg	1020
tttatcggtt	1080
tgtattcttg	1140
taaatgtgat	1200
ttaccactct	1260
ctccatgcgc	1320
cccatctcat	1380
caggtgcagg	1440
acggggaagt	1500
cgagggggaa	1560
ctgcacatta	1620
ctttctgtgt	1680
aattacacaa	1740
caattgtgca	1800
tgctctttag	1860
ccctttttgt	1920
agactttgct	1980
cattttttaa	2040
agttagattt	2100
actgataaaa	2160
aaagtacatt	2220
acaaaagagt	2280
tcaatcacaa	2340
ctcgtgtgtg	2400
ctgtgctctt	2460

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<210> 416
 <211> 2950
 <212> DNA
 <213> Homo sapiens

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 cagggctgtt atcaagcacc tcgcagcagt gatatcaaac ggctgccttc tcggactttc 420
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 gcagaattt ctgaagacca taaacatcaa tctctttgta gagtgggcca tccatttata 540
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 aagcttctat atcaactcag ggaacatccc cgattactta tttgacttct ttgaacattt 660
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 gaagtcctag agaactctct catctaaata tattttaaga gaggcaagcc tgaaaaaaac 2700
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ttctgggcoac aacatccggt tagcaattgg gcatacattc tacagattta gccataacgt 2880
totgaagctg attattttac agatcaacta attaattcct ctccctaact ttacagatga 2940
gaaagctcag                                     2950

```

```

<210> 417
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (850)
<223> n = a,t,c or g

```

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<400> 417
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acacgtgtga gagatgcaga aaaaggtccc ttctatgtac accttgccaa atacaagaac 180
ataaagaaag aaaaaagcaa agtttaagcc tttaggtcat ttgtaaaatg ttgccaaacc 240
catgctgtcta cttttaacag agaagctcga gttttaaaat tcaaacgctt tttctttaca 300
aagaaaaagt gcctctatct gccaagcgca tgatcttatg agcttcagat agaaaagtgg 360
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aggtggggag agaaaggagg cggcaggctg ggggtggctg taatgtttga tccctctgga 480
tttcccacag gagaaaaggt tctgcaggac gatgagttca cctgtgacct ctccgatc 540
ctgcaactac tctgtgaggg acacaactca ggtttgtgag tcccgggaac ttctgatgat 600
actaaggcat aaataatggt ttcaagccag taataacaag agcctgttag ttccaattat 660
gcactgttct agagacagca aatcattcta gagcatggct ctgcatgggg atctgggncg 720
ttttatnttt ggggtccgcg cagctccaca atntcaaan nncggcgccc aggggtccc 780
ccccccgaga cgaattagat agatggaagg tgtgaatggt ggtaaagatg gacaaagtga 840
tgcggggtgg                                     850

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```

<210> 418
<211> 360
<212> DNA
<213> Homo sapiens

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<400> 418
gagataaacc acattgttgg agagacagct gcctttctat gccccaggct gaggtcaga 60
cggggtggga aggatggatc cccaagacct gggttcttgg cctcagtgat tccagtgga 120
aggcgtccag gtgagtagga catccagaag atttgactt ggagatgttt cccctattt 180
tgagtgtcca gattaagagc tggctgcctt agtcatttta aaacatgctg ggaatccaag 240
ttgggtctcc tcattttaat gatgtctagg ctgagggctg ggccttcat tcttgagtc 300
ctgggctcag aagtgggtct ctttccctcc tctcagggta ctgaggaag accccagggt 360

```

<210> 419
 <211> 949
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (949)
 <223> n = a,t,c or g

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<400> 419
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aattcttata tgtgtatggt caacagatac tgaatctcag gtgaagcaaa gtgccttcatt      120
cattgttagca aatcctacat ttaaatgaaa tcagataagt actggcatat aatcaaaatt      180
tatttttttat gtgtattccc aatcaatgat tttttttttt caaacaccaa caagacataa      240
agtacttatt atggaatttt gtccatgtgg gagtttatac actgtttttg aagaaccttc      300
taatgcctat ggaactaccag aatctgaatt cttaattggt ttgcgagatg tgggtgggtgg      360
aatgaatcat ctacgagaga atggtatagt gcaccgtgat atcaagccag gaaatatcat      420
gogtgttata ggggaagatg gacagtctgt gtacaaactc acagattttg gtgcagctag      480
agaattagaa gatgatgagc agtttgtttc tctgtatggc acagaagaat atttgcaccc      540
tgatagtgtat gagagagcag tgctaagaaa agatcatcaa gaagaaatat ggagcaacaa      600
gttgatctttt ggagcgatcg gggtaacatt ttaccaaggc aagcctactg gatcaactgg      660
ccatttaana cccctttgaa ggggcctcog tanggaataa agnaagtgat ggtataaaaa      720
taattacagg gaaagggcctt ctgggtgcac tatcctggag tacagaaaaa caagaaaaat      780
gggaccaaat tgactgggag tgggaagaca tgccctgttc ctgcagtcct tctctggggg      840
tcctcagggt tcctaaccta cccctgttgc ttgcaaaaaa tccttgaagg cagatcaagg      900
aaaaagtgtt gggggttttg accaagtttt ttgcaagaaa actagtggg      949

```

<210> 420
 <211> 986
 <212> DNA
 <213> Homo sapiens

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<400> 420
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gggtgaaaaa agcatctctac tggagtctca aaagtgtatg aatctttctg tagtgcaagg      120
atgggataaag atggccaggg aagtcagatg gaaaatcccc aagattcttt ttgctactga      180
tttctataat taaaatatga catatgtaag ggaactagtc atgatattca ataaatgtca      240
gttgcttttc cttaactaggc tcttcacagg ctagggttat cctagatata atcatctctc      300
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aatgcagttg gtttagctgtc tccccatctc cccaactcac tattccaggg aggggctgaa      420
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gaggaatcac gctgtgggga ttctcatagg caggcaagaa aaccacggg tagtcatcat      900
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<210> 421
 <211> 1209
 <212> DNA
 <213> Homo sapiens

<400> 421
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 cgagagagaa gcttctcttg acagaatttg ctgagtcagc agaggatggg cccaccacca 180
 gattctgtca gaagctggcg aagaacctg acatggtggt ggtgtctccc atcctggnaa 240
 gagacagcga gcatggggat gttttgtgga atacagccgt ggtgatctcc aattccggag 300
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<210> 422
 <211> 5214
 <212> DNA
 <213> Homo sapiens

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 tataacaatt ctacaagcca atcagacagt acgtgacatt tcaatgagta aaaaagagca 180
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 agcccgaccg gttctgggca gagaagggtg ctcagtaggg aagtctgagg ggaagatgtc 480
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<210> 423
 <211> 474
 <212> DNA
 <213> Homo sapiens

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 <211> 1453
 <212> DNA
 <213> Homo sapiens

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tgaactgcag	ttgactgcag	gtacaacaa	gtggaaagcg	aaaccataga	taagagcggg	420
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 <211> 1131
 <212> DNA
 <213> Homo sapiens

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tggagtgcga	gcagatggag
ggagttcagt	gagggaaacg
cggtggagctg	ggagcagggt
agaggtgcag	caggcactcc
tgtaacttca	tctctggcca
gctacctgtt	gactgaggag
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accoggaacc	atgggtcaac
tggtctcagg	ctacagaaac
gacctctacc	ctctccatgt
aaaaggccag	ttgggtccag
ctgagaagaa	atcaaatgaa
actctacaag	cagtggagcat
tttcatcagc	ttcctaatca
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gccagagcta	gcggggccag
ggaggaggaa	atcattgacc
ctctctgagcc	agtcctcaat
aggctcgga	gtgcggggcc
aagtgacga	gggaccagag
ctggcaaggc	tcttctctgct
cgggttgagct	gggttatgtg
ggtaactgcag	ctccaaatcg
gcccacgagt	tgagaagaaac
accaggtatt	cccacccacc
accacagcgg	cgaggtcata
agcaagtggtc	aatgacatca
gatgacaatc	ttactgaaga
cagctttgcc	tctctacccc
aagaaaaaag	actcaacaag
ccagacctgc	attttggttac
agttaaaaaa	taaaccacaa
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<210> 426
 <211> 551
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a,t,c or g

<400> 426	
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cacagccact	gcccctgctt
ggcagtgta	tcagggtctc
acttgggaag	

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<210> 427
 <211> 1579
 <212> DNA
 <213> Homo sapiens

<400> 427	
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taaaattccag	ctttagccag
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<210> 428
 <211> 413
 <212> DNA
 <213> Homo sapiens

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<400> 428
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aagactgttaa atgttctctg aaaaacacag actcgcgttg caaggcgagg ccgcttgtag 300
taaacgaacg tacttgagag cgaggcggtg agccggcgag gaggaaatgag 360
ccttcctcag gggttcggga accacccttc ctaccaggga aagactgata 413

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<210> 429
<211> 1567
<212> DNA
<213> Homo sapiens

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<400> 429
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<210> 430
<211> 728
<212> DNA
<213> Homo sapiens

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728

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<210> 431
<211> 1524
<212> DNA
<213> Homo sapiens

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<400> 431
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1524

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<210> 432
<211> 1908
<212> DNA
<213> Homo sapiens

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<400> 432					
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 <211> 422
 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 443
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 <212> DNA
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<400> 444
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 <213> Homo sapiens

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<211> 468
 <212> DNA
 <213> Homo sapiens

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<400> 448

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<210> 449

<211> 354

<212> DNA

<213> Homo sapiens

<400> 449

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<212> DNA

<213> Homo sapiens

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<211> 2674

<212> DNA

<213> Homo sapiens

<400> 451

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<211> 601
<212> DNA
<213> Homo sapiens

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g						601

<210> 453
<211> 474
<212> DNA
<213> Homo sapiens

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<210> 454
 <211> 1838
 <212> DNA
 <213> Homo sapiens

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<210> 455
 <211> 1790
 <212> DNA
 <213> Homo sapiens

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<210> 456
<211> 1293
<212> DNA
<213> Homo sapiens

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<223> n = a,t,c or g

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<210> 457
 <211> 1155
 <212> DNA
 <213> Homo sapiens

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<210> 458
 <211> 1297
 <212> DNA
 <213> Homo sapiens

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<210> 459
 <211> 777
 <212> DNA
 <213> Homo sapiens

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 <211> 859
 <212> DNA
 <213> Homo sapiens

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<210> 461
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 <212> DNA
 <213> Homo sapiens

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<211> 959

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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<211> 1228

<212> DNA

<213> Homo sapiens

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<223> n = a,t,c or g

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<211> 1002

<212> DNA

<213> Homo sapiens

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<211> 2966

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 <211> 1041
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<220>

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 <211> 1869
 <212> DNA
 <213> Homo sapiens

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 <211> 6655
 <212> DNA
 <213> Homo sapiens

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<213> Homo sapiens

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 <213> Homo sapiens

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 <211> 696

<212> DNA
 <213> Homo sapiens

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<210> 551
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 <212> DNA
 <213> Homo sapiens

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<210> 552

<211> 813
 <212> DNA
 <213> Homo sapiens

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 <211> 1451
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 557

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<211> 1575
<212> DNA
<213> Homo sapiens

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 <212> DNA
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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 573

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<211> 928

<212> DNA

<213> Homo sapiens

<400> 574

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 <212> DNA
 <213> Homo sapiens

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<210> 584
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 <211> 1106
 <212> DNA
 <213> Homo sapiens

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<210> 587
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 <212> DNA
 <213> Homo sapiens

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<211> 1124
<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 601
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<212> DNA
<213> Homo sapiens

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2047

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 <212> DNA
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<211> 783

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA
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<212> DNA
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<211> 597
<212> DNA
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<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 639
 <211> 1844
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a, t, c or g

<400> 639

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<210> 640

<211> 1210

<212> DNA

<213> Homo sapiens

<400> 640

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 <211> 1108
 <212> DNA
 <213> Homo sapiens

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<210> 642
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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 644
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 <212> DNA
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 <211> 499
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 646
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<210> 647
 <211> 1498
 <212> DNA
 <213> Homo sapiens

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<210> 648
 <211> 1013
 <212> DNA
 <213> Homo sapiens

<400> 648
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 gctctgcctg tggggaccct catcaacaac gtggaagtgc agccaggccg ggggtcccaa 660
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 attcggccac tacccccat gaagagttac gtgaagctgc cttctgcttc tgcccaaaagc 960
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<210> 649
 <211> 1504
 <212> DNA
 <213> Homo sapiens

<400> 649
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 ttttgttaat ataaaagaat aagaaaacag aaaagtatta ctgttaaaca ataatagaga 240
 aatgtatact tatattataa atttctccct ctagctgato atacagttag ccagttcagg 300
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```

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<210> 650
<211> 2231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (2231)
<223> n = a, t, c or g

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<400> 650
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```



```

<210> 652
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = a,t,c or g

```

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<400> 652
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ttgatatggt cgtctgtaaa ggatttgtac aagatttaga tgaatcggtt aaagaaaatc 180
gaaatgatga catttggtct gtacattttt atgcgccatg gtgtggccat tgtaaaaaag 240
tggaaaccaat ttggaatgaa gctgggtctg agatgaaaag cattgggtct ccagttaagg 300
ctggaagatg ggatgctact tctatttcta gcattgcttc agagtttggg gttcgagggt 360
atccaacaat taagctggct ctaattcggc cacttccaag tcaacaaatg tttgaacata 420
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<210> 653
<211> 1014
<212> DNA
<213> Homo sapiens

```

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<400> 653
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aggctgtgat tacaataaag agttaaggac tgtgagttct ctgataaggt ttgggttatag 180
tcattttctc cttctcacc tctccaggac tacttcagc aaccagctct cctgccatgt 240
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cgttccactt cactgtggc gaggcacccc agatctacag cctctcctct tccagcatgg 660
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tcttcgtgga agaggtactg aaaatcgctc tgagogatgg cttctgcacg gattctctc 960
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```

```

<210> 654
<211> 1725
<212> DNA

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<213> Homo sapiens

<400> 654
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 tcttcggcgc ggctctgggoc atcgccagcg acgactttgt ctcccgagg ttcttcgagc 180
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 tggcagttgt catatgtact gtgtcagcca tcatgtgtgt cagcatgaga ggaacgattt 360
 gtaacctgtg acgcgggaag tctatgtcta agctgcttta catcgcctg gcgctgtttt 420
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 aacttgggaag atcttgaaga gaagaattctt gcgagtgctg cgcactgca ataaaccaca 1680
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<210> 655

<211> 748

<212> DNA

<213> Homo sapiens

<400> 655
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<210> 656
 <211> 977
 <212> DNA
 <213> Homo sapiens

<400> 656
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 caaaaaaaaa aaacatt 977

<210> 657
 <211> 746
 <212> DNA
 <213> Homo sapiens

<400> 657
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 attgacgaag acctcaactt tgtgcaggag aaaccttat ctcagaaaaa acctacagtg 720
 acacttacat atgggtttct tcgccc 746

<210> 658
<211> 559
<212> DNA
<213> Homo sapiens

<400> 658
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<210> 659
<211> 538
<212> DNA
<213> Homo sapiens

<400> 659
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cactgacctg ggggaggggg gtaaaagaga gtgaaggggg attggaaggg aactggagaa 240
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gcgcgatctc ggctcactgc aggtctcgcc tcccggggtt aagcggttct cctgccta 538

<210> 660
<211> 735
<212> DNA
<213> Homo sapiens

<400> 660
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tgagcccca cggctctcga gggtctgagc ctgtggcctg cacagggaac ttctctctcc 240

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<210> 661
 <211> 978
 <212> DNA
 <213> Homo sapiens

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<210> 662
 <211> 1118
 <212> DNA
 <213> Homo sapiens

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 <211> 556
 <212> DNA
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<210> 664
 <211> 373
 <212> DNA
 <213> Homo sapiens

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<210> 665

<211> 411
 <212> DNA
 <213> Homo sapiens
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<400> 665
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<210> 666
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 666
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<210> 667
 <211> 1991
 <212> DNA
 <213> Homo sapiens

<400> 667
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<210> 668
 <211> 1156
 <212> DNA
 <213> Homo sapiens

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<210> 669
 <211> 539
 <212> DNA
 <213> Homo sapiens

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<210> 670
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 <212> DNA
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<210> 671
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 <212> DNA
 <213> Homo sapiens

<400> 671

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 <212> DNA
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<210> 673
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 1258
 <212> DNA
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ggactctgtc	tagattggct	tttttaacat	tcctatttct	ccaggaggtta	tcactgtaaa	600
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tgtaaaagcc	ctcttttctg	ttttcaggtt	tttttttttc	ttatcgacaa	ggtctcactc	720
tgtgcgccag	gcagaagcac	aaaggtgcag	tattggctca	ttgcagcctc	gaactcctgg	780
gctcatattt	tcagggtttt	ttgttttttg	ttttgttttt	ttgagacaga	gtcttgcctc	840
gttgccccgg	cagtagtgca	gtggcgcat	atattttccg	tttttaaacg	tcagaatttt	900
tgtttaaaaa	gccttttttg	gtggggcaca	gtggcttatg	cccataataa	tcaccagcact	960
ttggggagggc	gaggtgagca	gacacactga	gggttaggag	ttgagacagg	cctggccaac	1020
acgatgaaac	ccgctctcta	ctaaaaatac	aaacaaaatt	agctggggag	gggtgcggac	1080
atctgttaate	ccagctactc	aggaggtcga	agcagaagaa	ctgcttgtaac	ctgggaggtg	1140
gaggtgtcag	tgagccaaga	tcgcaccatt	gcactccatc	ctggggcgaca	aaaatgaaac	1200
accgtctcaa	aaaaataaaa	aataataaaa	taaaatgcct	ttttgtgtgt	gctcgtgc	1258

<210> 678
 <211> 1289
 <212> DNA
 <213> Homo sapiens
 <220> .
 <221> misc_feature
 <222> (1)...(1289)
 <223> n = a,t,c or g

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<400> 678
cgccaccggt atgcaccatt accatccccg cggctcagtc gagcattcgt ccacggggcg      60
gagggcgggg cgccgggggtc cggaggggagc cagcccnac cacaacaaac ggcgtctcgc      120
atgcccgggc gctgggttca ggggccttcc gccgctctgg gttcacagct ggaactcggg      180
agtgtcagtt tggagtagcg catttgagag taggcgtgag aagttgctct gtgtgctgag      240
cgttctaaag gaagcgctcc gttggccttc gtaccgctct tgagttaggt gacgagtgtt      300
ttctagtact ggggtcggcc gcgcagccct ctacgggggtg ggtggcagga agagtgcogg      360
gtcccgctgt gtgcaaaagg tgggttcagg ttgcgggcca cacagcgcta ctacaggactt      420
tttagtcttg ttatcttctt cgtgctctgt tccgccccc cgacgtccca cctctgggag      480
agggcggggt tcagctccag gaggcgggga ctcccggtct tggcgtggct ggggtgtccc      540
gtggagccca gtctcggcgg ggtgacccac ttatgggact tggcctttct ttgttgtttg      600
ttaaggcgag gttttctcag cctgggcaact actgaggttt tgggcgggct aattctgtct      660
gggttgggga ggggtgctgt ccgtgcttcg caggttgtgt agctgcattcc cccgcctcta      720
cccagtggtat gcaagtagca gccccagtgga accaaaaaat ccccagactc ttgccaataa      780
tcccctcccg ggggaagatcg cctcgcttga gaaccactgt tggaggagag cctgggtttt      840
cggggaggtaa ccgtttacaa aggggagaac ggttaagaagc cgggaagcaac gatgacttag      900
ctacgtgaaa gacttcgccc cgggctcgcc cctcttctag aagcgttcag cctagcgga      960
gcgtctggaa tcaccgtcaa ggagtcagat ccagcccggg agagggagca gggtagaggt      1020
ctccttgcaag aaggcgccac cgacaggaagc acaggcgcaa cgtgcagctc cctagcgga      1080
ggcgctcgcg atcctgcagc cgccggtccg ggaggtgctc ggtagccctc cttgggtgct      1140
gtcggtagtc tggctactct cgggggaaag tcggtgtcag aagggcacat gcgatcacac      1200
agagacggcg ttgctcgggc tttagaccga ttggtcacc c gaaagaacac agagggtgaa      1260
gggagagatc caggaagtgg tcgcgagac

```

<210> 679
 <211> 539
 <212> DNA
 <213> Homo sapiens

```

<400> 679
agctcgtctc ttgttgccca ggctagagtg caaagggtcg atctcggctc acagcaacct      60
ccgcctccca ggctcaagcc attctcctgc ctacgctccc ggagtagctg ggaactacagg      120
catgacccac cacaccggcg taattttttg tatttttagt agagacaggg ttctccatg      180
ttggctcaggc tgggtctgaa ctctggacct caggtgatcc gccgccttg gctcccaaa      240
ttactgggat tacaggcgtg agccactcgg ccgggcctct ttaattttct ttaattctctg      300
ttccaatgca gagaagaaca taagaagaaa aaccgagaag tccctgtcaa ttctgcagaa      360
ttttccaaga aatgctctcg gagggtggaag acaatgtcca gtaagagaa atttaaat      420

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ggtgaaatgg	caaaggcgga	tgaagtgtgc	tatgatcggg	aatgaagga	ttatggacca	480
gctaaggggg	gcaagaagaa	ggatccta	gccccaaaa	ggccaccatc	tggaattctt	539

<210> 680
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 680	
ttagaagtga	gttaaat
attttaaagt	gtttataata
tttggtattc	tccagggaca
gaaatttgat	tacatactgt
ttattaataa	ccagaatata
ctaaaatgag	gattaaagct
	tttgtagta
	ttaaaccaa
	aactttttt
	60
	120
	180
	240
	300
	349

<210> 681
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 681	
ggcacgaggc	ggcgctgtgt
tgtttctctt	cttcaggccc
gttccaaagc	caaggagcct
gctggccaat	agcccaggag
gctccgagct	gagagaacca
aacgtgaagc	gaaactagaaa
	gtaatactc
	ctgtggctgc
	taggcactga
	caagcagcta
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	cgcagttagc
	agagccactg
	aactcatgac
	60
	120
	180
	240
	300
	329

<210> 682
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 682	
acgagggttc	cagtcaggcc
tggcttctct	ggagtcacat
tgatggcgga	caaccctttt
aatgtgaaga	agaggagctg
atgatgatga	gccaatcttt
	gttggcgaga
	tatcaagttc
	gtaatactgc
	ctctgcagct
	ctgtttatgc
	gaggtatgac
	atctcaata
	60
	120
	180
	240
	300

ttttgaacag	agttaacccc	agctcatatt	caaggggact	aaagaatggt	gcactcagtc	360
gaggtattac	tgctgcattc	aagcctacaa	gtcaacacta	cacgaatcca	acatcaaatc	420
cagtgccctg	ctcaccataa	aattttcatc	ctgagctcag	atcttcagat	agttctgtta	480
ttggtcagac	tttttctaaa	cctgtaagt	tttctaaaaa	tatacggcca	gctcagggat	540
ccattggatg	ttgtttatca	atatcaacag	tacc			574

<210> 683
 <211> 627
 <212> DNA
 <213> Homo sapiens

<400> 683	
cttggatggtt	ttcaatttga
tggttgcatt	ctaccatgat
tcccaccttt	taattatagt
tggagagatt	atgggatggt
taacgcctcg	tggttgtgag
tggaaactga	aaatcaaggt
tagaataatg	agcgatgact
tggcattaat	ggagagacact
gtacccactc	cgagctaaat
cagaagtctc	ctaagccttt
cctgcagaag	atttgcctta
	ttatggg

<210> 684
 <211> 1271
 <212> DNA
 <213> Homo sapiens

<400> 684	
gcggcgcgcc	gcgcagacac
gcggaggagc	agccccagcg
gaagtccccc	ctccaggttc
aacaactgat	aaagatccca
ggaagtcttc	attgctgcat
ttctcgccat	cgtgatacag
gctcatcttc	aagtgcgaac
ctagctccca	ggtggcatta
cagtgaagag	gagatcccat
agaaaggaaa	acccccaaag
gaaggaaatt	aaagtgggaag
ggatgaggaa	ctcccaaggga
acccaaaagg	agaaaaaagc
aactgtcctt	gccctctctc
gaagaataat	gtatgtcccc
ctgtgcacat	gccccaaatc
ggcctccaag	agttcccaac
attacaaagt	gagatctgtg
	gattttactg
	gcgcggagaa
	cgcgcgcgag
	gggcagcagc
	ctccatgcca
	gaggaagaaa
	cgggggctgg
	agagctctcg
	ccaacttgat
	ggaagaggag
	tccaagagat
	gtaaaaagaag
	gaggagaatg
	gatgacaaaa
	gtgtgagatg
	aaataccagc
	ttcaggcttc
	atctgtgaat
	attcaactgt
	gcggaagagc
	gcactctcta
	attggcacat

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gaagaaacat gatgcagact ccttctacca gttttcttgc aatatctgtg gcaaaaaatt 1140
tgagaagaag gacagcgtag tggcacacaa ggcaaaaagc caccctgagg tgctgattgc 1200
agaagctctg gctgccaatg caggcgccct catcaccagg acagatatct tggggactaa 1260
cccagagtcc c

```

```

<210> 685
<211> 685
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(685)
<223> n = a,t,c or g

```

```

<400> 685
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tgcaaacagg cttgcagaga gcttctctggc tttgagccaa caggaagaac tagcggattt 120
gccaaaagac taacctctga gtgagagtga agatgagggg gacaatgatg gagagagaaa 180
gcatacaaaag cttctgggaag caatcagttc ccttgatgga aagaataggc ggaatatggc 240
tgagaggtct gaggctagtc tgaaggtgtc agagttcaat gtcagttctg aaggatcagg 300
agaaaaagctg gtcccttcag atctgcttga gctctgttaa acttcatctt ctttggccac 360
tgtgaaaaag caactgagta gagtcaaatc aaagaagaca gtggagttac ctctgaaaca 420
agaagagatt gaacggaatt acagagaagt agcatccaat aaaacgcgac aagtcccttc 480
caaatgggag cctgtctgtc tgaagaacgc gcaggcagag cagctgggtt ttcccttgga 540
gaaagaggag gaaagcattt ctccatttga acatgtgtc agtggctgga aaggcagaac 600
tccctcgagg cangaaattn tcaacctnct ncataangaac aagcagncag tgacagacc 660
tttactgacc cctgtggaaa ggccct
685

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```

<210> 686
<211> 962
<212> DNA
<213> Homo sapiens

```

```

<400> 686
cgcggccgag tcgactttaa gattaaattc atgtattgaa aatattgttc agaccccatg 60
tgacataaact ggagccagtg cagtgcocat aagaactacg agattagcct ggatattaac 120
ttgtcttcta gagaatagat ttcattgttc attcttctgc aatgggtaat tcacacagaa 180
aaccatattt taacattcac agaggatttt actgcttaac agccatcttg ccccaaatat 240
gcattttgtc tcagttctca gtgccatcta gttatcactt cactgaggat cctggggctt 300
tccagtagc cactaatggg gaacgatttc cttggcagga gctaaggctc ccagtggtg 360
tcattctctc ccattatgac ctctttgttc accccaatct caactctctg gactttgtt 420
catctgagaa gatogaagtc ttggtcagca atgtctacca gcttatcatc ttgcacagca 480
aagatcttga aatcacgaat gccacccttc agtcagagga agatccaaga tacatgaaac 540
caggaaaaaga actgaaagtt ttgagttacc ctgctcatga acaaatgca ctgctgggtc 600
cagagaaact tacgcctcac ctgaataact atgtggctat ggacttccaa gccaaagttg 660
gtgatggctt tgaagggttt tataaaagca catacagaac tcttgggtgt gaaaacagaa 720
ttcttcgagt aacagatttt gagccaaccc aggcacgcat ggctttccct tgctttgatg 780

```


<212> DNA
<213> Homo sapiens

<400> 689
 tttttttttt ttgagatgga gtcttgctct gtcaccagg ctggagtgc gtggcacag 60
 ctacgtcac tgcaacctcc acctcccagg ttcaaggcat tctgtgctc cagcct 116

<210> 690
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 690
 acaaacagggt ggggtcaagc acggagagag aactgcccag ggtataaaaa gggcccacag 60
 gagaccggct ctaggatccc aaggcccaac tccccgaacc actcagggtc ctgtggacag 120
 ctacactagt ggcaatggct ccaggctccc ggaagtcctc gctcctggct ttbgccctgc 180
 tctgctgcc ctggttccaa gaggctgggt ccgtccaaac cgttccgtta tccaggcttt 240
 ttgaccacgc tatgctccaa gcccatcgcg cgcaccagct ggccattgac acctaccagg 300
 agtttgaaga aacctatata ccaaggagacc agaagtatc attcctgcat gactcccaga 360
 cctcctctgt ctctcagac tctattccga caccctccaa catggaggaa acgcaacaga 420
 aatccaatct agagctgttc cgcattcccc tgctgtctcat cgagtcgttg ctggagcccg 480
 tgggatcct catgagtata gtccccaac 509

<210> 691
 <211> 1362
 <212> DNA
 <213> Homo sapiens

<400> 691
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 caatgaagag aaaaaatttc agcaacatat tcaggcccaa cagaagaaag aactgaatag 120
 ttttctcgag tcccagaaaa gagagtataa acttcgaaaa gaggcagctta aagaggagct 180
 aaatgaaac cagagtacc ccaaaaaaga aaacaggag tggttttcaa agcagaagga 240
 gaatatacag catttccaag cagaagaaga agctaaccct ctgcagctc aaagacaata 300
 cctagagctg gaatgcgctg gcttcaagag aagaatgtaa cttggggctc ataacttaga 360
 gcaggacctt gtcaggggagg agttaacaa aagacagact cagaaggact tagagctatg 420
 catgctatc cagacagcat aatctatgca agaactggag ttccgccacc tcaacacaat 480
 tcagaagatg cgtctgtgagt tgatcagatt acagcatcaa actgagctca ctaaccagct 540
 ggaataataat aagcgaagag aacgagaact aagacgaag catgtcatgg aagttcgaca 600
 acagcctaag agtttgaagt ctaagaact ccaataaaaa aagcagtttc aggatacctg 660
 caaaatccaa accagacagt acaaaagcatt aagaaatcac ctgctggaga ctacacccaa 720
 gagtgcac aaagctgttc tgaacaggct caaggaggaa cagaccggga aattagctat 780
 cttggctgag cagtatgac acagcattaa tgaatgtct ccacacaa cctgtggttt 840
 ggtgaagca caggaagcag agtgccagggt tttgaagatg cagctgcagc aggaactgga 900

gctgttgaat	gogtatcaga	gcaaaatcaa	gatgcaagct	gaggcacaac	atgatcgaga	960
gcttcgcgag	cttgaacaga	gggtctccct	coggagggca	ctcttagaac	aaaagattga	1020
agaagagatg	ttggctttgc	agaatgagcg	cacagaacga	atacgaagcc	tgttgggaacg	1080
tcaagccaga	gagattgaag	cttttgactc	tgaagacatg	agactaggtt	ttagttaatat	1140
ggctcctttct	aatctctccc	ctgaggcatt	cagccacagc	tacccgggag	cttctgggttg	1200
gtcacacacac	cctactgggg	gtccaggacc	tcactggggt	catcccatgt	gtggccacc	1260
acaagcttgg	ggccatccaa	tgcagggtgg	acccagccca	tggggtcacc	cttcagggcc	1320
caatgcaaaag	gggtacctcg	aggagcagta	tgggagtcgg	ct		1362

<210> 692
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 692	
gatcacgtgg	gcagctccgg
cagcttcggg	gtgagcgact
gttttcgggc	tctctgagcc
gctagtccgc	tacaggaagg
ggcacatcaa	tttgtggaag
ttacagcaag	atagtactc
agggcaggat	gagtaacaga
gcttgtgtat	tctgtcaact
gctacatgaa	ggccatggga
aaa	

<210> 693
 <211> 1671
 <212> DNA
 <213> Homo sapiens

<400> 693	
goggtcttgg	tccacgggac
tggtctcett	ccctcaactc
cogggtcagt	cctctccctc
tggtgggtgc	gtctgggtcg
ggccggagct	ttgctctgtg
accccgcttc	taatttgcga
gttcggtctc	ttcatctacc
gcgcagcccc	aggtatcgac
tacgaacgtc	gtctgcactc
cgtgcaaccc	agggctgcgc
ggcttagtgc	cggalgggtc
ttctgcaggt	tcactcaacta
tggtcccaag	cagttctctat
gaagtctcac	ccaccacgat
cagacactcc	agccctggcc
tccttgtccc	tgaggagcca
cacagggcag	agccgacaca

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gaagagggaac aggaagaggga gggaaaagcag gaagaaggac agggggactaa ggagggaagg 1080
gaggctgtgt ctcagctgca gacagactca gagcccaagt ttcactctga atctctatct 1140
tctaacccctt cctcttttgc tccccgggta cgagaagtag agtctactcc tatgataatg 1200
gagaacatcc aggagctcat tcgatcagcc caggaatatg atgaaatgaa tgaatatat 1260
gatgagaact cctactggag aaacccaaac cctggcagcc tctctgagct gccccacaca 1320
gaggctctgc tgggtgctgt ctattcgatc gtggagaata cctgcatacat aacccccaca 1380
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gagcagtgcc actcagaggc cagcctgcag cggcaacaat cggacacctc ccacaagact 1560
ccctttgtca gcccttgcct tgcctcccg agcctgtcca tcggcaacca ggtagggtcc 1620
ccagaatcag gccgctltta cgggctggat ttgtacgggt ggtccacat g 1671

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```

<210> 694
<211> 898
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(898)
<223> n = a, t, c or g

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<400> 694
tttttttttt ttgtgacagt ttctccactt tattagcctg gagctctctc ctgcagagcc 60
caggggcttg tcgctgtgtc ctggggcacg tgagcagggc tgaggtcaga cgggttcggc 120
ccttggccat ggcagcttgg ttggggacag cgggccaaag gaaaaaaagg tgcaaaagtc 180
caaatgtctg cacttcaggt gtggccggca cccagccagg cgcagtggtg gggcagggcg 240
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aggaacagct ggtgattctc gccaggaact gctgcgccca ccaactgctc aggtcaatgg 360
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ccgcccctac cggctggggc accatccagc gtctgttgca cctgggtccc ggcttcggac 480
acaaagcgga cattctcttc ttggggccact gtgtaggtct cctgggtccc ctggaaggat 540
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tctgaacca gagagagcag ccacccacag cagccggttg cccagggctc tcttgagtc 780
cccaagccat cggcagctca gctcacacct gcagccctgt gtctgaggg aagtgagtga 840
ctgtaggggg ganatgcnc cctctagaggt tcgatcggtg gaaagacagc cgggcccc 898

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<210> 695
<211> 630
<212> DNA
<213> Homo sapiens

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<400> 695
caaccccgcc gccgggggaca tgtccaaccc ctgaagcggg aggaacgggc cagtcagact 60
gcgcccgaca ggtatatlga aaagtctgat tcagttacaa tcagtgatg gaatacacaag 120
aagatccata agaaccagg tctgtgattt ctcctgtgtg ttcgtctttt tccagtgcga 180

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tcaaccacct	caaagacact	ggttatcaga	ggttgattt	atgcaaactt	gggccaagg	240
acagttagct	gacagttagc	gaagaagcat	ctgtaggga	tccagaagga	gacttcatga	300
agatgttaca	agcccggaag	cagcacatga	gcactgagct	gaactattgag	tccgaggcg	360
cctcagacag	cagtggtcatc	aacttggtcag	gctttgggag	tgagcagcta	gacaccaatg	420
acgagagtga	tgttagcagc	gcactaagtt	acatcttgcc	ttatctctca	ctgagaaatc	480
taggtgcaga	atcaatattg	ttacogtcca	ctgaacagct	atcttcaaat	gtacaaagatg	540
gagataggct	cctgagttatt	ttgaaaaaca	atagaagag	ccctctcacag	tccagccttc	600
taggtataaca	atttaaaac	aaaatatttg				630

<210> 696
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 696						
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cttgcggat	tgtcttttat	tttcaagctc	aaaagacgat	agagaaaaga	tacttgaagg	120
ccaagagct	tgagagaaga	aaaatttcag	aaaattgtc	tcaatttgac	tagaataatca	180
atgaaccagg	aaaactgaag	caccttcctc	aaagaaaact	tgggtatata	attactccac	240
agacagagct	gaggggtttt	tacccaaatc	agtcactgga	tttgcgtgcc	tgatcgttga	300
atctctcttg	aattttttctc	atgtggatct	aagggggaatg	ctttattatg	gctgctgttg	360
tccaaacaga	cgactagta	tttgaatttg	ctagtaacgt	catggaggat	gaacgacagc	420
ttgggtatcc	agctattttt	cctgcggtaa	ttgtggaaca	tgctcctggg	gctgalattc	480
tcaatagtta	tgccggtcta	gctgtgtgtg	aagagcccaa	tgacatgatt	actgagagtt	540
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ttgaagcttc	ttgtcatgac	ggggatgaaa	caattgaaac	tattgaggct	gctgaggcac	660
tcctcaatat	ggattccctc	ggccctatgc	tggtatgaaa	acgaataaat	aaataatata	720
ttagttccac	tgaagatgac	atgggtgtgt	cccgatcac	ccatgtgtcc	gtcacattag	780
atgggattcc	tgaagtgatg	gaaacacagc	agggtcaaga	aaaatatgca	gactcacogg	840
gagcctcatc	accagaacag	cctaagagga	aaaaaaaaa			879

<210> 697
 <211> 719
 <212> DNA
 <213> Homo sapiens

<400> 697						
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acaagatcca	tgtgtggatg	aaatgttagg	aaaggggag	cccgatggaa	gtgggctcac	660

acctgtaaatc ccagtaggct agggaggttg aagcaagagg atggcttgag tctagaagt 719

<210> 698
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 698
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<210> 699
 <211> 422
 <212> DNA
 <213> Homo sapiens

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 cg

<210> 700
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 700
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aagaagagcg	aaacccacgg	ttcttattag	gctgtgtctc	aaaatcatca	tctgggtttc	360
cactgtaatg	gtgaagtatg	gttacattgg	caaatttgaa	cccacggctc	cg	412

<210> 701
 <211> 977
 <212> DNA
 <213> Homo sapiens

<400> 701	
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ctcggcatgg	300
cagcgcccc	360
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taagtctctt	540
cagtgcgaag	600
tgccagttct	660
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gctgactttg	840
cagctacatg	900
gtggccagaa	960
gatatccgat	977

<210> 702
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 702	
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ttagtctctt	180
gtgaaatagt	240
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catgtaaatg	360
gccaaaagga	406

<210> 703

<211> 987
 <212> DNA
 <213> Homo sapiens

<400> 703
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 ctgagttttt gcagttgttt ctgaaggctc aaattgtctc gcttcaaat ttcttttgaa 300
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 tctactcgc atgaagctct ctgccggccc acgtccggct tcttttogat tgcacggga 540
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 gcagggtcgc ccgcgtggct caagctctag aagcgtagac ctcccagcc gcaaaaagca 660
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 taaaagaaaa ggatgaaag ggcccagaa agaggcgggt acgtccaga acccatggca 960
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<210> 704
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 704
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 cctccctttt aggaaaaaat tgggaagaac atagcgttaa agacaagcac aacaccaag 360
 agagacattt gagcagaat ccaagggtgg agagaccatg taaaagcagt aaaggtaata 420
 aagtggaag aaccttcaga aagactcgaa attgtaatcg tcatctgcgc agg 473

<210> 705
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1) ... (435)
 <223> n = a, t, c or g

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 aatttcagca cgtcctggga cactggggctg tggggaggctc gtgagcaaat ggaagaacct 180
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<210> 706
 <211> 894
 <212> DNA
 <213> Homo sapiens

<400> 706
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<210> 707
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(410)
 <223> n = a,t,c or g

<400> 707
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aagctatctt	aagaggaaat	gctgctgatg	cagagctctt	cagacagagg	tttagtgygt	300
ttgttacttc	agaagttagct	ggaccacagga	aagctctgag	tcaactctgg	gagctctgca	360
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<210> 708
 <211> 650
 <212> DNA
 <213> Homo sapiens

<400> 708						
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tgataaata	attgtgttag	ccatcataaa	agtaacttaa	agatcaaaa	gtactcttat	600
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<210> 709
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 709						
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<210> 710
 <211> 478
 <212> DNA

<213> Homo sapiens

<400> 710

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<210> 711

<211> 585

<212> DNA

<213> Homo sapiens

<400> 711

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<210> 712

<211> 391

<212> DNA

<213> Homo sapiens

<400> 712

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<210> 713
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 713
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<210> 714
 <211> 2468
 <212> DNA
 <213> Homo sapiens

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<210> 715

<211> 924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (924)

<223> n = a, t, c or g

<400> 715

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gacaatcaaa	acaaaaacaca	tgataaaaaa	gagaagaaga	tggtgggttca	gaagccocat	660
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aacatcactc	ccaataaatt	gggtgaaactg	aataaaacttt	tcacacatca	tattgtttcca	780
ggccaggctcc	ttttttgttc	agatgccaac	tctccttcca	gtacccctaa	gctatcatca	840
tcaggtcctg	gtgctactgt	ctctccttca	tcattagatg	cagaatatgn	taatttgctg	900
atgtgcactt	agcaagggaag	gctt				924

<210> 716

<211> 679

<212> DNA

<213> Homo sapiens

```

<400> 716
tttctgtgctg tggcgcgcgg cgggcagagg gaggggagag gccactgggg ccgtgttagt    60
ctgccggtgg ggactcttgc agggccgctcc ccattgttgcg ttttccgacc tgtttcccat    120
ccttcggggg gggtgggagag aagcagctcc cgcaggagat tattttccgt gtcgtggtgc    180
ccaagcgggg tctcattgct ttggccaaca cagctggcga ggttttactt catcgactgg    240
caagttttca tcgagtttgg agttttccac caaatgaaaa tacaggaaag gaggtgacgt    300
gtctggcatg gagaccagat ggcaaaacttt tggcctttgc tcttgcgtat accaagaaaa    360
ttgttttggg tgatgtagaa aaacotgaga gcttacactc ttttctgtg gaggtccag    420
tttctgtgat gcattggatg gaagtgcagc tagaaagcag tgttctcaca tcattttata    480
atgctgagga tgaatcaaat ctctctttac ctaaactacc tacactgcca aaaaactata    540
gcaacacctc aaaaatattt agtgaagaaa attctgatga aattattaaag ctcttggggag    600
acgtcaggct taatatcttc gtccctggag gaagctctgg attttattgag cttttatgctt    660
atggaatggt taaaattgct

```

```

<210> 717
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(821)
<223> n = a,t,c or g

```

```

<400> 717
ctttcataact gctcctctcc ttgtttttct gtctcagaga gatagtctgt octaaatc    60
ccatgtagcc caggccaactg aattaaaacg gagcgtatct gtctctctgc ccaccccgca    120
actcctgaaa cggcgcgcaac tcaattactt gatccttata tgccccaacg gggactcata    180
ctacgtttcc cgtgaacaag tgcagtccaa accccgcccc tgatatattat ctgactgggac    240
gggtggccgg aaaggacaat ggtttccatg tcagcgggata aacgctctcc cctcgggtcc    300
cggacgcgac ggaggtcgta gtagtagtga gtacgtgctg agggacaaag gactaaccaa    360
gagatccagt gaccgacaga gcaagagcca tgcgcgcgcg gggcctgggt gctggggccag    420
actggagta ttttcagcgt cactatttca cgcggcgcca ggtggcccaa cataacaggc    480
ccgaagacct ctgggttatct tacctggggac gctgtgaoga cctaacgtca ttggcacagg    540
aatacaaggg gaacctgctg ctgaaaccca tcgtggaagt tgcaggccag gatattcagcc    600
actgggttga tccaagagacc agagacgtga gttatgctgg aacctgggat tgtgggtaga    660
ggaaatggag agcggggatg ggaaggaaag gcggaggcta gccagagcct aatggctgct    720
ctgacacctc cgcaccaaac cctcctttaa agatccgcaa gcaogaatto caccacatgg    780
nataagggtc gtcattgnnn nnnnaagggg natcaanccc c                                821

```

```

<210> 718
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<400> 718
ccggattccg ggtgcagcat ttctgtcggc ttttgtgttg ggcagcgaga atgtggcgag    60

```

ctcggctgct	ctccgctgct	ccttcccctt	atccctggga	ggtccaagt	gtcccgccgc	120
agcttctgtt	gctctgggac	ctgcaggctc	cggaaggctc	ttagggagga	cccagacac	180
cgagactggg	gaaatggatt	cagtgctcatt	tgaagatgtg	gctgtggcct	ttactcagga	240
ggagtgggct	ttgctggatc	cttctcaaaa	gaatctctac	agagatgtga	tgcaagaat	300
cttcagggaac	ctggcttctg	taggaacaaa	atcagaagac	cagaatatcc	aagatgactt	360
caaaaaatcct	gggagaaatc	taagcagtc	tgtggtagag	agactgtttg	aaattaaaga	420
aggcagtc	caatggagaaa	ccttcagcca	ggattcaaat	ttgaatctga	ataagatagt	480

<210> 719
 <211> 467
 <212> DNA
 <213> Homo sapiens

cgtaactctct	cagcctttct	gtgtctcctt	tcctccgctt	cagtttgggg	cggttcgggg	60
gaatggctga	ggagatggag	tcgtctctcg	agggcaagctt	ttcgtccagc	ggggcagtg	120
cagggggctc	aggggtttttg	cctcctgccc	gctccgcgat	cttcaagata	atcgtgatcg	180
gcgactccaa	tgtgggcaag	acatgcctga	cctacgcgtt	ctgcgctggc	cgcttcccgc	240
acgcaccga	ggccacgata	gggggtggatt	tcgcagaaag	agcggtggag	attgatgggg	300
agcgcatcaa	gatccagcta	tgggacacag	caggacaaga	acgattcaga	aagagcatgg	360
ttcagcacta	ctacagaaat	gtacatgctg	ttgtcttcgt	gtatgatatg	accaacatgg	420
ctagttttca	tagcctacca	tcttggatag	aagaatgcaa	acaacat		467

<210> 720
 <211> 490
 <212> DNA
 <213> Homo sapiens

tggaacgcat	ccgagattcc	cggaatcgag	atcttctcgg	agccccgagg	ggccggagct	60
ccggcgctg	ccggatctcg	acggcgccct	tcctccgggt	cgatttgtat	catggctgct	120
gagttctgat	ttctgcattt	ccagtttgaa	cagcaaggag	atgtgtgtct	gcagaaaatg	180
aatcttttga	gacagcagaa	tttattttgt	gatgtatcaa	tttacattaa	tgacactgag	240
ttccaggggc	acaaggtgat	tttggtctgt	tgctccactt	ttatgagaga	tcagtttttt	300
ctcacacagt	caaaaacatg	cagaatcacc	atcttacaga	gtgcagaagt	tggcagaaaa	360
ttgttactgt	cttgctatac	tggagcactt	gaagttaaaa	ggaaagagct	tttgaataac	420
ttgactctgt	ccagtttaact	tcagatgggt	cacattgcgg	aaaagcgacc	agaagctttt	480
gtcaagttct						490

<210> 721
 <211> 706
 <212> DNA
 <213> Homo sapiens

```

<400> 721
agaggaggtt ggtgtggagc acaggcagca ccgagcctgc cccgtgagct gagggcctgc 60
agtctgcggc tggaaatcagg atagacacca aggcaggacc ccagagatg ctgaagcctc 120
tttggaagc agcagtgccc ccacatcggc catgctccat gcccccgcgc cgcctgtggg 180
acagacaggc tggcaacgtt caggctcctgg gagcgctggc tgtgctgtgg ctgggctccg 240
tggtcttatt ctgctcctgy tggcaagtgc cccgtcctcc caactggggc cagggtgagc 300
ccaaggagct gccaggttc tgggagcagc gctccagccc agcttgggag cccctggag 360
cagaggccag gcagcagagg gactcctgcc agcttgtcct tgtggaaagc atccccagg 420
aactgcatc tgcagcggc agccctctgt cccagcctct gggccaggcc tggctgcagc 480
tgctggacac tcccaggag agcgtccacg tggcttcata ctactggctc ctccaggggc 540
ctgacatcgg ggtcaacgac tctgtctccc agctgggaga ggtcttctgt cagaagctgc 600
agcagctgct gggcaggaac atttccctgg ctgtggccac cagcagcccg acactggcca 660
ggacatccac cgaactgcag gttctggctg cccgaggtgc ccatgt 706

```

```

<210> 722
<211> 677
<212> DNA
<213> Homo sapiens

```

```

<400> 722
tttcgtaaag ccgctgtctc ttcccaaggc gaggaacggc gagaagccgc ggctctgagt 60
ctccaggcc ccgtgggctt ctctgggttg ttgctccgc ccgctcata actcaggatg 120
ggctggaaga cctgcgcgc ctcccctctt gggcgcgggc tccgcttaag tgaaggcctg 180
tttggcgctg ccacccctgg agaggggccg gggctctggat ttccagaact gccactcttc 240
tagtgcgctg gctcactgct tccctctctc gggccatttg agactccgtt gctttttaat 300
ggcgcgagcg gctgctgggt gacgagctgg aggcgggaca gtgttcgtcc catcoggaga 360
ggatgcgttt ctctggcgt caccagcgct gggttggtgg gggtagcttt tccctctttg 420
ctctccatt cttgaagaaa gaagaagatg ccaactgccat ttgggttgaa actgaacgc 480
accggcgctc aacgggtgtc cagcaagagt tgctgggtg ccgggatcca actgcttaat 540
aacgagtttg tggagttcac cctgtccgtg gagagagatg gccaggaaag cctcgaggcc 600
gtggccaga ggtcggagct gcggggaggtc acttacttca gcctctggta ctacaacaag 660
caaaatcagc gccggtg 677

```

```

<210> 723
<211> 600
<212> DNA
<213> Homo sapiens

```

```

<400> 723
ttctgtgttg agcaccttgc tgcgcatcgg ctcttctccc ccagctccag cctctctcat 60
cttgggaatc tgcgtcagaa gtcaactgca gtcccgtcag ccagaaagc gtaaaagcag 120
ctaccagcaa ttttgagaac ttgcaaaaac agcttgcaag gaaaatgaag ctctctatatt 180
tcatacgaga tgcattcaca gcaagacat ttogtgggaa tctgtctgct gtttgcctcc 240
tagaaaaatg attgatgaa gacatgcac agaaaaatgc aaggggagatg aacctctctg 300

```

aaactgcttt	tatccgaaaa	ctgcaccoga	cagacaactt	tgacaaaagt	tctgtgctttg	360
gactgagatg	gtttacacca	gogagttagg	tcccactctg	tgcccatgcc	accctggctt	420
ctgcagctgt	gctgtttcac	aaaataaaaa	acatgaatag	cacgctcacg	tttgtcactc	480
tgagtggaga	actaaggggc	agaogagcag	aggacggcat	cgtcctggac	ttgtcctctt	540
atccagccca	ccccaggac	ttccatgaag	tagaggactt	gataaagact	gccataggca	600

<210> 724
 <211> 530
 <212> DNA
 <213> Homo sapiens

ttctgttgcg	cggtccggaa	ctggtttccc	ggaaggagta	tgtctgcgcc	ttgatccga	60
ccggaagtg	cagctgagc	cgcggaacc	atgcagtcgg	atgatgttat	ctgggataca	120
ctaggaaca	agcaattttg	ttccttcaaa	ataagaacca	agactcagag	cttctgcoga	180
aatgaatata	gcctgactgg	actgtgtaat	cgtctatcct	gtcccctggc	aaatagtcag	240
tatgccacta	ttaaagaaga	gaaaggacag	tgctacttgt	atatgaaggt	tatagaacga	300
goggtctttc	ctcggcgctc	ctgggaacgg	gtcgggctta	gtaaaaacta	tgagaaagca	360
ctggagcaaa	tagatgaaaa	tctgattttc	tggcccggtt	tcattcgaca	caaatgtaag	420
cagagatcca	ccaagatcac	ccaataccta	atlcgaatta	gaaaacttcc	actaaagcga	480
cagaggaaac	ttgttccttt	gagtaagaag	gtggagcgta	gggagaaaag		530

<210> 725
 <211> 428
 <212> DNA
 <213> Homo sapiens

ttctgttagag	cggggactcg	gogaccctgc	cctcccgacc	ctcatgttgg	aagagcctga	60
gtgggcccag	gcgccccag	tagcccgagg	ccttggggcc	gtaatctcac	gacctccggc	120
tgcgccctcc	tgcacaaaca	aggtgagtga	ctcgggggag	caatggggagc	tggtttcaggc	180
cgcgaagcgg	acatttggtg	atccagcgcc	tgtgtgtatt	gcgggggagg	acacctgttg	240
cacogttaa	ggcagtcct	gatctgaaga	tcogagaact	tcacaaagaa	actgacgttg	300
ggtcagagag	agttgtgtg	taaaagtgtg	tgaagcgaag	aggggtcttc	agacaggaaa	360
aagtacgtac	aaggggccct	ggacaagaga	gcattgtctg	tcagagtccac	aaacacaaat	420
ggtccttt						428

<210> 726
 <211> 859
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (859)

<223> n = a, t, c or g

```

<400> 726
gtggtggaat tectctggag caggaggccc agtggctctt ctgaccaag gccccgccgt 60
ccagctcteta agtgccagat gatggaggag cgtgccaaac tgatgcacat gatgaaactc 120
agcatcaagg ttttgtcca gtctggctctg agcctggggc gcagcctgga tgcggaccat 180
gcccccttgc agcagttctt tgtagtgtg gaggacatgc tcaaacatgg gctgaaagt 240
aagaagagtt ttattggcca aaataaatca ttctttggct ctttggagct ggtggagaaa 300
ctttgtccag aagcatcaga tatagcgact agtgtcagaa atcttcocaga attaaagaca 360
gctgtggaaa gaggccgagc gtggctttat ctgtcactca tgcacaaaga actggcagat 420
tatctgaaag tgcctataga caataaacat ctcttaagcg agttctatga gcttgaggct 480
ttaatgatgg aggaagaagg gatgggtgatt gttggtctgc tgggtgggact caatgtcttc 540
gatgccaatc tctggcttga aaggagaaga ctgtgattct caggttggag taatagattt 600
ttccctctac cttaaggatg tgcaggatct tgatggtggc aaggagcatg aaagaattac 660
tgatgtctct gatcaaaaaa attatgtgga agaacttaac cggcacttga gctgcacagt 720
tggggatctt caaaccaaga tagatggctt ggaaaagact aactcaaagc ttcaagaang 780
agtttcagct gcaacagacc gaatttgctc acttcaagaa gaacagcagc agttaagaga 840
acaaaatgaa ttaattcga
859

```

<210> 727

<211> 450

<212> DNA

<213> Homo sapiens

```

<400> 727
ttctgcagtg gtggggcctg gacgcgtggg taggcgcgtc cagcggcctg agcaggggag 60
ggtaatgagg ctgttacgcg ccttctccgc atcttggcgg gagcctgacg ccccgcttct 120
tccctaaccg ggtgttccac cggcgctctc caggcctag gctcgcagc ccgcctccg 180
tctccctcag cccgaagctg cgcgcctctt gtgctcat tctctctggg aaactgaggc 240
tccagtgctg aaagtacgac gaggtcgccc cggccaggac agagaagggc tgggggtcgg 300
ctgagcccgcg gcatctccgg gccccgctag ggtgcaggg tctcaggatg gcagcctcgg 360
cgagggtgct tgtgaccttt gaggatgtgg ctgtgacatt caccagaggag gagtggggag 420
agtggatgc agcccagaga acctgtgtac
450

```

<210> 728

<211> 439

<212> DNA

<213> Homo sapiens

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<400> 728
ttctgtgggt cgtcttctc accttctctg ctgcgcgggc ggcgggttgg aaacgggtcag 60
accagccga gaggacctg gtgcctgtac ccaggcttct gtgcctctgt cgcctgcgtc 120
atgcctctgt gtatgcacag gagctgtaga gaggacccc gtacatctga aagccgggaa 180

```


atggaccacg	tgggtcttga	ggatgtggct	gtgaacttca	cccaggaaga	gtggacattg	240
ctggatattt	cccagaagaa	tctcttcagg	gaagtgtatc	tggaaacttt	caggaaacctg	300
acctctatag	gaaaaaaatg	gagtgaccag	aacattgaat	atgagtacca	aaaccccaga	360
agaagcttca	ggagttctcat	agaagagaaa	gtcaatgaaa	ttaaagaaga	cagtcattgt	420
ggagaaactt	ttaccacgag					439

<210> 729
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 729						
cgggccgcgc	gaccgacggt	agtgagggac	ccaatgtgag	tccccggcca	gctgaatcca	60
agccggtgtg	actgcgtggg	cagcactgcc	cgacagtcct	agctaaactt	cgccaactcc	120
gctgcctttg	ccgtcacccat	gccacagaat	gaatatattg	aattacaccg	taaacgctat	180
ggattccgtt	tggattacca	tgagaaaaag	agaaagaagc	aaagtcgaga	ggctca	236

<210> 730
 <211> 807
 <212> DNA
 <213> Homo sapiens

<400> 730						
tgggaacaca	agttgaacgt	ttttgtgttc	cttgagtcca	gtcgggaagg	gcccttgtga	60
ctgggtctca	tgccaaacaa	cttgttacaa	taagagctag	ggtccagacg	catgcggaaa	120
cttcacgaga	atcctctgtg	gtctgtgtgag	tgtagtgtcc	gactctggag	cccaggctgt	180
tgcttccggg	tctggtgtgtg	aatctctccat	agtcctggaga	tctcagccct	gctgagctga	240
tgatgctgac	tataggagat	gttattaac	aactgattga	agccacagag	caggggaaag	300
acatcgatct	aaataagggtg	aaaaccaaga	cagctgccaa	atatggcctt	tctgccagc	360
ccgcctcgtg	ggatatcatt	gctgcctgcc	ctcctcagta	tgcgaaggct	ttgatgccca	420
agttaaaggc	gaaacccatc	agaactgcga	gtgggattgc	tgctgtggct	gtgatgtgca	480
aaacccacag	atgtcccaac	atcagtttta	caggaaatat	atgtgtatac	tgccctgggt	540
gacctgattc	tgattttgag	tattccaccc	agtcttacac	tggtatagag	ccaacctcca	600
tgagagctat	ccgtgccaga	tatgaccctt	tctacagacg	aagacaccga	atagaacagt	660
taaaaacaat	tggctcatagt	gtggataaag	tggagtttat	tgagatgggt	ggaaacgttta	720
tggcccttcc	agaagaatac	agagatttat	ttattcgaaa	ttacatgat	gccttatcag	780
gacatacttc	caacaatatt	taagagg				807

<210> 731
 <211> 944
 <212> DNA
 <213> Homo sapiens

```

<400> 731
tttctgtgtga ggggaggggc gcgtgctaaa ccagaagagg taaaccaatg cagtgcagaga 60
gaggttgttg ttgggtccac agcttcttgat ttggagggaag ctgcgagacc gagagccctag 120
gagcaccttc cacgccccagg gctgtgtgtac aggttgggtgg gggagggggcg ccacgcgggtg 180
tttggcagga aggggaggcc tctctactga ccggaagctg cgctagaaaa agaaggagga 240
gactgcggcg cagcagcgac tagtgggagt ccgatgtggg agagggggctg cggccaccgc 300
caccgccgcc gccaccagga aggcggagga cgcaggagcc aagagcaagg gaocgcgcc 360
cggtcatctt cgctctgccc gcgcgcctct tagagacact cattgcctat ggatctctct 420
ctccagctt ttgcaagcac cgggctgctc gccgcctgat tttctctctc cataggctca 480
ctgcggaggc aacggcgagg tgtccgattt gtgcacttga ggcccgcaat cgggagcgg 540
ggggaatctg gcctctctgg ccggggcatga agaccccggt tggaaaggca gctgcagggc 600
agcggtctcag gacggggcgt ggccacggca gtgtgtctgt taccatgata aagagggaagg 660
ctgcacacaa gaagcatagg agccgaccca cctcccagcc tcgggggaac atcgtgggg 720
gcataattca gcaaggatgg aaagatggag atgaacctct aacacagtg aaaggaaacc 780
ttctggatca gctcttttga ataaacctgc ccaccaccaa gaaccatac atgactttct 840
tttcatttga tcaaacgaat gtgtccaccg gtgtgagcac cagcaactca cttcttctct 900
agacatctct aaagctggac agaatatgag ggacatatc gttt 940

```

```

<210> 732
<211> 761
<212> DNA
<213> Homo sapiens

```

```

<400> 732
ccgagacctc ggtgtggccc ttgaggcatt tcaatggcgg agggccggcg actgtggatc 60
tggagctgga cgcgctggag ggggaaggagt tgatgcagga cggcgcgctc ctgagcgaca 120
gcaccgagga cgaggaggag ggggcgagcc tgggcgacgg cagcggggcg gaaggcggca 180
gctgcagcag cagcaggcgg tcggggcgcg atggcgggga cgaagtggag ggcagcgggtg 240
tgggagctgg cgaaggagag actgtccagc acttcccgct cgcgcggccc aagtctctaa 300
tgcagaagct ccaatgtctc ttccagacct cctggctcaa ggactttccc tggctgcgct 360
attccaagga tactgtgtct atgtcttgg gctgggtcca aaagacccct gcagatgggg 420
gaagcggtga ccttccccca gtggggcatg atgagcttct cgcaggggac gcgaactaca 480
agaaaacctc cctctctgag caccacgtct ctaccgagca caaactccac gaagccaacg 540
cccaggagtc agaaatacca tcaaggagg ggtactgtga cttaaatag agggcaaatg 600
agaactctta ttgctatcaa cttctcgac aactaaatga acagagaaag aaaggtatct 660
tttgtatgt cagcatgtgt gtaagcggaa aatcttcaa agctcataag aacatccttg 720
ttgcaggcag cgttttcttt aagactttat attgcttttc a 761

```

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<210> 733
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = a,t,c or g

```

<400> 733
 aattcccggg tcgacgattt cgtgcgggag cagagatctg cgggcgnttg cagcttgcgg 60
 tagggaggcg tggtagctgt aagcctccga gcagcccggg ccatggcgga tgtaaccggc 120
 cgtgtctgc aatacagagta caaggcgaaac tcgaatcttg tgctccaagc tgaccgttct 180
 ctcatgtacc ggaccgcggc ggtatgaacc acaggagagg tgctgtccct tgttggggaag 240
 ctggaggggca cccgtatggg agacaaggct caacggacca aaccgcagat gcaggaggaa 300
 agaagagcca agogaagaaa gctgtgatgag gacggcgatg acatcaacaa gatgaagggt 360
 tatactctgc tgtccggagg cattgatgag atggtgggca tcactctaca gcccaaaact 420
 aaagagactc gggagaccta tgagggtgcta ctgacttca tccaggctgc tcttggggac 480
 cagccacgtg atatctcttg tggggcagct gatgaagttc tag 523

<210> 734
 <211> 1341
 <212> DNA
 <213> Homo sapiens

<400> 734
 tttttttttt ttaaccagat tatttcaactt attatttatt ttattcttcca atttctcttt 60
 gccagactcc catccaaaga gtccataagca gcctctctcc cactcttctta catgaaatac 120
 atcccacact gaacaaaggc acacggagag gaggaagggg aataggacct cgcacaaactg 180
 gacacggcat cgtctcagat cctggactct gaggttccgt tgttactggt ttccacagtt 240
 caggcttcgg atggtctgca cgtgctgttt caagactaat ggtagtctct attgcttctg 300
 ttatgtctctt atccaaactg ttccagcctgt cctctgactc aaatatggag taatcaatgg 360
 tgaatctctg actaaagtca tccataactgg ggtgactagt ataataatg accacotgat 420
 aatattccat cctctccagt ctttcttcat cctccatctc ttgtccagg ataagtgga 480
 cagcaaaagt ggtccacaag aggcacatcca ttctggattc tgccactattg catcaccacc 540
 cagagttgcc ttctctctct aggcctccatc agtctctttt cgtcacagt gaaatgttct 600
 gaggaagggg tgaagcattt tctagactga aaagaatccc ttctctctgt ctgtctggag 660
 cagccatggg ggcctcgggt ttttccggct gcactttcgt cgcgttcggc cgggcctctg 720
 cgtctttctt gatcacgtgt gctggggacc cgtcttcggt cgtcttcggc cgggcctctg 780
 gagtagaggg cccggggagc gggggagagc gtccaaagaa gaggtgogga aggggctgga 840
 ggaactgggg caagcctggg agcctgaatt ggggacgata agtcggaggt gaagtctggg 900
 cggaggtgag ggggtgggtc tggggagatt gtccctttccc gcagttggtt tccactctcc 960
 aaggatctca cagattctctc ctatatctct cccagcgagc tcagagaagg cccaaggcgc 1020
 agactcgtga ggggctgtg ctgacctagg caggccagag cagggtccct aggggaggat 1080
 ccaggaaagg atacctgcgc cttcctgtct cgcacactct ggctgtctac gctctgaaga 1140
 ctctttaatt agatttctcc ccttccaggt cgtttcactt ttctacagat gagtctctct 1200
 gtggagacag ttacctcaac tgggtccatgt ctccctaac atccggaagg ctacacttcc 1260
 ctttccagc agcttgggtt ggtttccctc cttgatttct ctggctccca ctactattgc 1320
 ttgtctcact gccctgttat t 1341

<210> 735
 <211> 703
 <212> DNA
 <213> Homo sapiens

<400> 735
 ttctgtgaga ggcccagggt agggagcaagc gcccgcgttc cggaagcccg ctcccggggc 60
 catgggggca cagggtgagc tgccgcgccg agagccctgc cgagaaggat atgtgctgtc 120
 tctggtctgt ccaaatctgt cccaggcttg gtgtgagatc acaaatgtgt cacagctgtc 180
 ggtctctctc gtgtctctaca cggacctgaa ttacagcata acaacttga gcatttcagc 240
 aaatgtagaa aacaataaca gtctttatgt gggcttggtg ctggcagtaa gctcaagtat 300
 ttttattggc tcacagcttca taactgaaaa gaagggcctc ttgcaactgc ccagcaagg 360
 ctttactaga gctggacaag gtggacattc ttacctgaag gaatggctct ggtggtaggg 420
 attgctgtca atactgtcct ggaatgcaag ggaataaagt gaaccttgaa atattacatt 480
 ttaaccacag acttcttgta tttcttccac cataacaata gagaaaagta cttttctttc 540
 atattttccc acctctaat ttgaacaact attgtagctg catattttct caagaaagag 600
 tacagtttcc ttgcaggac aacacggata agtgaaaggc ttctgtggct gcttgggtact 660
 gaacaaatgg agaagaaatg aagggtgtca gcactctcct tcc 703

<210> 736
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 736
 ttctgtctgg cgtggacgtt tgtgggtggg cgtgttggtc cgcgtctcga gaactgtgtc 60
 ggaaggatg gtaggcgagc tggggctcac ctccgcaccg ttgtaggacc cgggttaggg 120
 ctttgagccc gtgggagctg cccacgcggg cctgtctctg ccaacggtcg gatggcggag 180
 acgaaggacg cagcgcagat gttgttgacc ttcaaggatg tggcgttgac tatcccgctg 240
 gagggtgaga gaacagctgga cctggcccgag aggaacctgt accgagaggt gbtctctggg 300
 acctgtgggc ttctggtttc actagggcat cgggttccca aaccagagtt ggtccacctg 360
 ctaaacgatg ggcaggagct gtggatagtg aagagaggcc t 401

<210> 737
 <211> 933
 <212> DNA
 <213> Homo sapiens

<400> 737
 agcggccgct cgcctgtgtt gtgtgtcccc ggtgtccagg agcgttgtgt gtgtccgtgc 60
 ggcgcggcgc tctgttggtc cctctcgccc caccacgctg gcccccgggc ccgggtcgc 120
 ccttcccagg cgcggctgc agcagagttt cagaacaagc ttctctggaa ccatgacca 180
 tgaagtcttg tgcacattta tacctctga ggttagcagc tgaagagtag aagaaagtgt 240
 tgcacgggag gtcagtatct ctttgtgtga cctctggcgc ttatgggacg ttgcttcag 300
 acctttgtga tacacatgc tgcgtgggac gatgacggcg tggagaggaa tgaggcctga 360
 ggtcacactg gcttgccctc tctatgccaac agcaggctgc tttgtcgaat tgaacagagt 420
 cctctaggte acctccagc ctgcgtccac cgtccagaag cccggaggca ctgtgatctt 480
 gggctcgatg gtggaacctc caaggatgaa tgaacctgg cgcctgaatg gaaaggagct 540
 gaatggctcg gatgatgctc tgggtgtcct catcaccacg gggaccctcg ctatcaactgc 600
 ccttaacaac cacactgtgg gacgggtacca gtgtgtggcc cggatgcctg cggggcctgt 660
 ggcacagctg ccagccactg tgacactagc cagttagtct gctcctttgc ctccctgcca 720
 tggtcggctc cctctcatc tctcccaccc tgaagccccc accattcatg ctgcctcttg 780

ttactcttag	cataaaatgg	gccttaactg	cagaaatgtc	aaatcagaac	agtagctgcc	840
ttagttaatgc	ccagtgatgg	gggacccctt	gtgcccttgg	aaaacctcac	tccaagtaga	900
ggctgtatct	ggagtgagtg	tctacagaga	ggg			933

<210> 738
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 738	
ctggggctcgg	cgagagacagc
cagcacgagtg	tctgaagaag
ccagcagaaac	gtgggtgcagc
ggctctgcgat	gtttacagtg
cctggctgag	aactgcgtgt
gctcgagcac	ctgcagcccc
caagctggaa	gagaagcttc
tggtgtctga	agccgctcgc
agcgcgctca	gatccccaga
gtgtgtgtggc	tctgcccctg
cagccaagga	caggcacccc
gcggcctgac	caccgctgcc
agctggccac	tatgaacagc
cctttctcca	gcaaccttgc
gcccagggtg	accctgtttg
gagtcagtggt	gggagcagga
gtcaggggcca	cgtgcaccgc
ctgctgggct	cgcctgccgc
ctggaccacg	cccagccgct
ctgcgctgca	ggggctggga
tgacctcagc	

<210> 739
 <211> 1248
 <212> DNA
 <213> Homo sapiens

<400> 739	
ttctgtagcg	agtaaagaag
caccggcgct	gtccccagc
ctcctgtagg	tggcaacagt
aaggaggag	gcagaccact
cggagctgcc	gctgagcaaa
ggggcccgct	gctccactg
atgcaaacca	gcaagtgcga
tcctcagatc	ggctgtacat
ttcctcttcc	gcgctggggg
ttctctactg	gcaatcatgc
agacagcccc	tgcacttgca
gtggcgctgc	gccttgtggg
gtgtcactgc	agactgcagg
gggaggggca	ctggagaaga
tccttcatat	tggagcagcc
tcctacogtat	ccaccgaaga
tcctggctcat	ctaacttgcc
acttaccaac	caagcctggg
acacctctgat	gtccttgccg
tgatggctcag	ctccgatggg
cgaatgtagc	ctctgtattc
cagatttgct	cacagagcag
gccacctgtt	cggagaggag
ggccttcacc	atggcgagtg
cctgtatagc	tgccacttga
ctgtatctgg	ttgggctgc
cgggctcgtc	cttctcaatg
acactggatg	gaactgtccc
atccttgcta	ttgttctcgg
cagcctccac	aaggtgtcgc
actggacatc	caatggcagc
tagctctgaa	ctccagcagt
gcccacctca	ccagctcttg
gctggaattg	ccctcctggc
gagcccaaga	ttctgtactc
cccttatgca	ttctctcaac
ctgggtgggac	accgaggggc
aagacagctg	aatgoggagc
gtccctctcc	tatgcataga
ccaaaccgaa	tcacagccca
cttccctccc	cttcctccct
ctgcaggcct	tgggagagga
ggctgaaccc	ggctgaaccc
gtcgagagag	gagagcggag
cccccggtcg	ctgctccgtc
ggaatgcgcc	cagagagagg
tttccctcac	cttccctcct
acctgcacaa	cttcaatgaa
tggaattcct	gctgggtcatc
ccctgctcct	ggggttttgt
tgctcctcat	tatgctgctt
aggagaggca	tagcttgctt
caggccctaa	gaggaaagcg
tcacagggcc	acagccocat
ctggcctgtg	gctgatacct
gtcctatatt	tttggagttg
gtcctatatt	gaacccagag
cccatgctg	gctcccagaga
tactgtgttt	gagactgatg
tgagcaacct	agcaggacca
cagcagtg	

<210> 740
 <211> 185
 <212> Amino acid
 <213> Homo sapiens

<400> 740
 Phe Val Gly Arg Leu Leu Arg Leu Gly Glu Ala Leu Arg Leu Arg Pro
 1 5 10 15
 Asp Pro Ser Gly Gly Cys Arg Leu Gln Pro Ala Leu Val Gly Glu Thr
 20 25 30
 Glu Met Ser Glu Lys Glu Asn Asn Phe Pro Pro Leu Pro Lys Phe Ile
 35 40 45
 Pro Val Lys Pro Cys Phe Tyr Gln Asn Phe Ser Asp Glu Ile Pro Val
 50 55 60
 Glu His Gln Val Leu Val Lys Arg Ile Tyr Arg Leu Trp Met Phe Tyr
 65 70 75 80
 Cys Ala Thr Leu Gly Val Asn Leu Ile Ala Cys Leu Ala Trp Trp Ile
 85 90 95
 Gly Gly Gly Ser Gly Thr Asn Phe Gly Leu Ala Phe Val Trp Leu Leu
 100 105 110
 Leu Phe Thr Pro Cys Gly Tyr Val Cys Trp Phe Arg Pro Val Tyr Lys
 115 120 125
 Ala Phe Arg Ala Asp Ser Ser Phe Asn Phe Met Ala Phe Phe Phe Ile
 130 135 140
 Phe Arg Ser Pro Val Cys Pro Asp Arg His Pro Gly Asp Trp Leu Leu
 145 150 155 160
 Arg Leu Gly Arg Val Arg Leu Ala Val Gly Asn Trp Ile Leu Pro Val
 165 170 175
 Gln Pro Gly Arg Cys Arg Gly His Ala
 180 185

<210> 741
 <211> 177
 <212> Amino acid
 <213> Homo sapiens

<400> 741
 Phe Leu Gly Ala Gly Ala Asp Ile Phe Cys Ala Tyr Leu Arg Met Ser
 1 5 10 15
 Ser Lys Gln Ala Thr Ser Pro Phe Ala Cys Ala Ala Asp Gly Glu Asp
 20 25 30
 Ala Met Thr Gln Asp Leu Thr Ser Arg Glu Lys Glu Glu Gly Ser Asp
 35 40 45
 Gln His Val Ala Ser His Leu Pro Leu His Pro Ile Met His Asn Lys
 50 55 60
 Pro His Ser Glu Glu Leu Pro Thr Leu Val Ser Thr Ile Gln Gln Asp
 65 70 75 80
 Ala Asp Trp Asp Ser Val Leu Ser Ser Gln Gln Arg Met Glu Ser Glu
 85 90 95
 Asn Asn Lys Leu Cys Ser Leu Tyr Ser Phe Arg Asn Thr Ser Thr Ser
 100 105 110
 Pro His Lys Pro Asp Glu Gly Ser Arg Asp Arg Glu Ile Met Thr Ser
 115 120 125

Val Thr Phe Gly Thr Pro Glu Arg Arg Lys Gly Ser Leu Ala Asp Val
 130 135 140
 Val Asp Thr Leu Lys Gln Lys Lys Leu Glu Glu Met Thr Arg Thr Glu
 145 150 155 160
 Gln Glu Asp Ser Ser Cys Met Glu Lys Leu Ser Lys Asp Trp Lys
 165 170 175
 Glu
 177

<210> 742
 <211> 434
 <212> Amino acid
 <213> Homo sapiens

<400> 742
 Glu Gly Tyr Leu Thr Gly Arg Pro Thr Arg Pro Val Ala Val Arg Gly
 1 5 10 15
 Lys Ser Thr Ala Asp Leu Arg Met Met Gly Arg Ser Pro Gly Phe Ala
 20 25 30
 Met Gln His Ile Val Gly Val Pro His Val Leu Val Arg Arg Gly Leu
 35 40 45
 Leu Gly Arg Asp Leu Phe Met Thr Arg Thr Leu Cys Ser Pro Gly Pro
 50 55 60
 Ser Gln Pro Gly Glu Lys Arg Pro Glu Glu Val Ala Leu Gly Leu His
 65 70 75 80
 His Arg Leu Pro Ala Leu Gly Arg Ala Leu Gly His Ser Ile Gln Gln
 85 90 95
 Arg Ala Thr Ser Thr Ala Lys Thr Trp Asp Arg Tyr Glu Glu Phe
 100 105 110
 Val Gly Leu Asn Glu Val Arg Glu Ala Gln Gly Lys Val Thr Glu Ala
 115 120 125
 Glu Lys Val Phe Met Val Ala Arg Gly Leu Val Arg Glu Ala Arg Glu
 130 135 140
 Asp Leu Glu Val His Gln Ala Lys Leu Lys Glu Val Arg Asp Arg Leu
 145 150 155 160
 Asp Arg Val Ser Arg Glu Asp Ser Gln Tyr Leu Glu Leu Ala Thr Leu
 165 170 175
 Glu His Arg Met Leu Gln Glu Glu Lys Arg Leu Arg Thr Ala Tyr Leu
 180 185 190
 Arg Ala Glu Asp Ser Glu Arg Glu Lys Phe Ser Leu Phe Ser Ala Ala
 195 200 205
 Val Arg Glu Ser His Glu Lys Glu Arg Thr Arg Ala Glu Arg Thr Lys
 210 215 220
 Asn Trp Ser Leu Ile Gly Ser Val Leu Gly Ala Leu Ile Gly Val Ala
 225 230 235 240
 Gly Ser Thr Tyr Val Asn Arg Val Arg Leu Gln Glu Leu Lys Ala Leu
 245 250 255
 Leu Leu Glu Ala Gln Lys Gly Pro Val Ser Leu Gln Glu Ala Ile Arg
 260 265 270
 Glu Gln Ala Ser Ser Tyr Ser Arg Gln Gln Arg Asp Leu His Asn Leu
 275 280 285
 Met Val Asp Leu Arg Gly Leu Val His Ala Ala Gly Pro Gly Gln Asp
 290 295 300
 Ser Gly Ser Gln Ala Gly Ser Pro Pro Thr Arg Asp Arg Asp Val Asp
 305 310 315 320
 Val Leu Ser Ala Ala Leu Lys Glu Gln Leu Ser His Ser Arg Gln Val
 325 330 335
 His Ser Cys Leu Glu Gly Leu Arg Glu Gln Leu Asp Gly Leu Glu Lys
 340 345 350

Thr Cys Ser Gln Met Ala Gly Val Val Gln Leu Val Lys Ser Ala Ala
 355 360 365
 His Pro Gly Leu Val Glu Pro Ala Asp Gly Ala Met Pro Ser Phe Leu
 370 375 380
 Leu Glu Gln Gly Ser Met Ile Leu Ala Leu Ser Asp Thr Glu Gln Arg
 385 390 395 400
 Leu Glu Ala Gln Val Asn Arg Asn Thr Ile Tyr Ser Thr Leu Val Thr
 405 410 415
 Cys Val Thr Phe Val Ala Thr Leu Pro Val Leu Tyr Met Leu Phe Lys
 420 425 430
 Ala Ser
 434

<210> 743
 <211> 211
 <212> Amino acid
 <213> Homo sapiens

<400> 743
 Asn Leu Pro Pro Leu Thr Pro Gln Pro Gly Pro Arg Leu Ala Gly Ser
 1 5 10 15
 Gly Pro Ser His Trp Phe Ser Pro Leu Ser Leu Pro Val Ala Ser Lys
 20 25 30
 Ala Pro Gly Thr Met Ala Gln Ala Leu Gly Glu Asp Leu Val Gln Pro
 35 40 45
 Pro Glu Leu Gln Asp Asp Ser Ser Ser Leu Gly Ser Asp Ser Glu Leu
 50 55 60
 Ser Gly Pro Gly Pro Tyr Arg Gln Ala Asp Arg Tyr Gly Phe Ile Gly
 65 70 75 80
 Gly Ser Ser Ala Glu Pro Gly Pro Gly His Pro Pro Ala Asp Leu Ile
 85 90 95
 Arg Gln Arg Glu Met Lys Trp Val Glu Met Thr Ser His Trp Glu Lys
 100 105 110
 Thr Met Ser Arg Arg Tyr Lys Lys Val Lys Met Gln Cys Arg Lys Gly
 115 120 125
 Ile Pro Ser Ala Leu Arg Ala Arg Cys Trp Pro Leu Leu Cys Gly Ala
 130 135 140
 His Val Cys Gln Lys Asn Ser Pro Gly Thr Tyr Gln Glu Leu Ala Glu
 145 150 155 160
 Ala Pro Gly Asp Pro Gln Trp Met Glu Thr Ile Gly Arg Asp Leu His
 165 170 175
 Arg Gln Phe Pro Leu His Glu Met Phe Val Ser Pro Gln Gly His Gly
 180 185 190
 Gln Gln Gly Leu Leu Gln Val Leu Lys Ala Tyr Thr Leu Tyr Arg Pro
 195 200 205
 Glu Gln Gly
 210 211

<210> 744
 <211> 55
 <212> Amino acid
 <213> Homo sapiens

<400> 744


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Leu Arg Gly Met Ala Ala Ala Ala Ala Gly Pro Ala Ala Ser Gln Arg
 1           5           10           15
Phe Phe Gln Ser Phe Ser Asp Ala Leu Ile Asp Gln Asp Pro Gln Ala
          20           25           30
Ala Leu Glu Val Gly Glu Pro Phe Leu Pro Pro Leu Pro Ala Asp
          35           40           45
Pro Pro Pro Ser Ser Thr Ala
 50           55

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<210> 745
<211> 182
<212>Amino acid
<213> Homo sapiens

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<400> 745
Trp Ala Cys Phe Arg Ser Ala His Cys Ser Arg His Leu Arg Asn Arg
 1           5           10           15
Ile Phe Met Tyr Leu Tyr Trp Asp Lys Thr Arg Ser Pro Val Cys Lys
          20           25           30
Gly Pro Ala Leu Arg Glu Glu Arg Pro Gln Pro Arg Leu Lys Leu Glu
          35           40           45
Asp Tyr Lys Asp Arg Leu Lys Ser Gly Glu His Leu Asn Pro Asp Gln
          50           55           60
Leu Glu Ala Val Glu Lys Tyr Glu Glu Val Leu His Asn Leu Glu Phe
          65           70           75           80
Ala Lys Glu Leu Gln Lys Thr Phe Ser Gly Leu Ser Leu Asp Leu Leu
          85           90           95
Lys Ala Gln Lys Lys Ala Gln Arg Arg Glu His Met Leu Lys Leu Glu
          100          105          110
Ala Glu Lys Lys Lys Leu Arg Thr Ile Leu Gln Val Gln Tyr Val Leu
          115          120          125
Gln Asn Leu Thr Gln Glu His Val Gln Lys Asp Phe Lys Gly Gly Leu
          130          135          140
Asn Gly Ala Val Tyr Leu Pro Ser Lys Glu Leu Asp Tyr Leu Ile Lys
          145          150          155          160
Phe Ser Lys Leu Thr Cys Pro Glu Arg Asn Glu Ser Leu Arg Gln Thr
          165          170          175
Leu Glu Gly Ser Thr Val
          180          182

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<210> 746
<211> 136
<212>Amino acid
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(136)
<223> X = any amino acid or stop code

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<400> 746
Xaa Ala Gly Val Gln Met Lys Leu Glu Phe Leu Gln Arg Lys Phe Trp
 1           5           10           15
Ala Ala Thr Arg Gln Cys Ser Thr Val Asp Gly Pro Cys Thr Gln Ser

```

```

      20      25      30
Cys Glu Asp Ser Asp Leu Asp Cys Phe Val Ile Asp Asn Asn Gly Phe
      35      40      45
Ile Leu Ile Ser Lys Arg Ser Arg Glu Thr Gly Arg Phe Leu Gly Glu
      50      55      60
Val Asp Gly Ala Val Leu Thr Gln Leu Leu Ser Met Gly Val Phe Ser
      65      70      75      80
Gln Val Thr Met Tyr Asp Tyr Gln Ala Met Cys Lys Pro Ser Ser His
      85      90      95
His His Ser Ala Ala Gln Pro Leu Val Ser Pro Ile Ser Ala Phe Leu
      100      105      110
Thr Ala Thr Arg Trp Leu Leu Gln Glu Leu Val Leu Phe Leu Leu Glu
      115      120      125
Trp Ser Val Trp Gly Ser Xaa *
      130      135

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<210> 747
 <211> 156
 <212> Amino acid
 <213> Homo sapiens

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      <400> 747
Cys Arg Gly Arg Leu Ala Gln Leu Glu Glu Ala Ala Val Ala Ala Thr
      1      5      10      15
Met Ser Ala Gly Asp Ala Val Cys Thr Gly Trp Leu Val Lys Ser Pro
      20      25      30
Pro Glu Arg Lys Leu Gln Arg Tyr Ala Trp Arg Lys Arg Trp Phe Val
      35      40      45
Leu Arg Arg Gly Arg Met Ser Gly Asn Pro Asp Val Leu Glu Tyr Tyr
      50      55      60
Arg Asn Lys His Ser Ser Lys Pro Ile Arg Val Ile Asp Leu Ser Glu
      65      70      75      80
Cys Ala Val Trp Lys His Val Gly Pro Ser Phe Val Arg Lys Glu Phe
      85      90      95
Gln Asn Asn Phe Val Phe Ile Val Lys Thr Thr Ser Arg Thr Phe Tyr
      100      105      110
Leu Val Ala Lys Thr Glu Gln Glu Met Gln Val Trp Val His Ser Ile
      115      120      125
Ser Gln Val Cys Asn Leu Gly His Leu Glu Asp Gly Ala Ala Asp Ser
      130      135      140
Met Glu Ser Leu Ser Tyr Thr Arg Ser Tyr Leu Gln
      145      150      155 156

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<210> 748
 <211> 55
 <212> Amino acid
 <213> Homo sapiens

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      <400> 748
Ile Pro Ala Val Pro Leu Thr Ser Cys Val Thr Val Gly Ser Tyr Ser
      1      5      10      15
Leu Ser Val Arg Asp Tyr Asp Pro Arg Gln Gly Asp Thr Val Lys His
      20      25      30
Tyr Lys Ile Arg Thr Leu Asp Lys Arg Gly Phe Tyr Ile Ser Pro Arg

```

35 40 45
 Ser Thr Phe Ser Thr Leu Gln
 50 55

<210> 749
 <211> 381
 <212> Amino acid
 <213> Homo sapiens

<400> 749
 Lys Asp Ser Val Leu Asn Ile Ala Arg Gly Lys Lys Tyr Gly Glu Lys
 1 5 10 15
 Thr Lys Arg Val Ser Ser Arg Lys Lys Pro Ala Leu Lys Cys Thr Ser
 20 25 30
 Gln Lys Gln Pro Ala Leu Lys Ala Ile Cys Asp Lys Glu Asp Ser Val
 35 40 45
 Pro Asn Thr Ala Thr Glu Lys Lys Asp Glu Gln Ile Ser Gly Thr Val
 50 55 60
 Ser Ser Gln Lys Gln Pro Ala Leu Lys Ala Thr Ser Asp Lys Lys Asp
 65 70 75 80
 Ser Val Ser Asn Ile Pro Thr Glu Ile Lys Asp Gly Gln Gln Ser Gly
 85 90 95
 Thr Val Ser Ser Gln Lys Gln Pro Ala Trp Lys Ala Thr Ser Val Lys
 100 105 110
 Lys Asp Ser Val Ser Asn Ile Ala Thr Glu Ile Lys Asp Gly Gln Ile
 115 120 125
 Arg Gly Thr Val Ser Ser Gln Arg Gln Pro Ala Leu Lys Ala Thr Gly
 130 135 140
 Asp Glu Lys Asp Ser Val Ser Asn Ile Ala Arg Glu Ile Lys Asp Gly
 145 150 155 160
 Glu Lys Ser Gly Thr Val Ser Pro Gln Lys Gln Ser Ala Gln Lys Val
 165 170 175
 Ile Phe Lys Lys Lys Val Ser Leu Leu Asn Ile Ala Thr Arg Ile Thr
 180 185 190
 Gly Gly Trp Lys Ser Gly Thr Glu Tyr Pro Glu Asn Leu Pro Thr Leu
 195 200 205
 Lys Ala Thr Ile Glu Asn Lys Asn Ser Val Leu Asn Thr Ala Thr Lys
 210 215 220
 Met Lys Asp Val Gln Thr Ser Thr Pro Glu Gln Asp Leu Glu Met Ala
 225 230 235 240
 Ser Glu Gly Glu Gln Lys Arg Leu Glu Glu Tyr Glu Asn Asn Gln Pro
 245 250 255
 Gln Val Lys Asn Gln Ile His Ser Arg Asp Asp Leu Asp Asp Ile Ile
 260 265 270
 Gln Ser Ser Gln Thr Val Ser Glu Asp Gly Asp Ser Leu Cys Cys Asn
 275 280 285
 Cys Lys Asn Val Ile Leu Leu Ile Asp Gln His Glu Met Lys Cys Lys
 290 295 300
 Asp Cys Val His Leu Leu Lys Ile Lys Lys Thr Phe Cys Leu Cys Lys
 305 310 315 320
 Arg Leu Thr Glu Leu Lys Asp Asn His Cys Glu Gln Leu Arg Val Lys
 325 330 335
 Ile Arg Lys Leu Lys Asn Lys Ala Ser Val Leu Gln Lys Arg Leu Ser
 340 345 350
 Glu Lys Glu Glu Ile Lys Ser Gln Leu Lys His Glu Thr Leu Glu Leu
 355 360 365
 Glu Lys Glu Leu Cys Ser Leu Arg Phe Ala Ile Gln Gln
 370 375 380 381

<210> 750
 <211> 296
 <212> Amino acid
 <213> Homo sapiens

<400> 750
 Ser Pro Leu Arg Tyr Arg Ala Gly Gln Ser Gly Ser Thr Ile Ser Ser
 1 5 10 15
 Ser Ser Cys Ala Met Trp Arg Cys Gly Gly Arg Gln Gly Leu Cys Val
 20 25 30
 Leu Arg Arg Leu Ser Gly Gly His Ala His His Arg Ala Trp Arg Trp
 35 40 45
 Asn Ser Asn Arg Ala Cys Glu Arg Ala Leu Gln Tyr Lys Leu Gly Asp
 50 55 60
 Lys Ile His Gly Phe Thr Val Asn Gln Val Thr Ser Val Pro Glu Leu
 65 70 75 80
 Phe Leu Thr Ala Val Lys Leu Thr His Asp Asp Thr Gly Ala Arg Tyr
 85 90 95
 Leu His Leu Ala Arg Glu Asp Thr Asn Asn Leu Phe Ser Val Gln Phe
 100 105 110
 Arg Thr Thr Pro Met Asp Ser Thr Gly Val Pro His Ile Leu Glu His
 115 120 125
 Thr Val Leu Cys Gly Ser Gln Lys Tyr Pro Cys Arg Asp Pro Phe Phe
 130 135 140
 Lys Met Leu Asn Arg Ser Leu Ser Thr Phe Met Asn Ala Phe Thr Ala
 145 150 155 160
 Ser Asp Tyr Thr Leu Tyr Pro Phe Ser Thr Gln Asn Pro Lys Asp Phe
 165 170 175
 Gln Asn Leu Leu Ser Val Tyr Leu Asp Ala Thr Phe Phe Pro Cys Leu
 180 185 190
 Arg Glu Leu Asp Phe Trp Gln Glu Gly Trp Arg Leu Glu His Glu Asn
 195 200 205
 Pro Ser Asp Pro Gln Thr Pro Leu Val Phe Lys Gly Val Val Phe Asn
 210 215 220
 Glu Met Lys Gly Ala Phe Thr Asp Asn Glu Arg Ile Phe Ser Gln His
 225 230 235 240
 Leu Gln Asn Arg Leu Leu Pro Asp His Thr Tyr Ser Val Val Ser Gly
 245 250 255
 Gly Asp Pro Leu Cys Ile Pro Glu Leu Thr Trp Glu Gln Leu Lys Gln
 260 265 270
 Phe His Ala Thr His Tyr His Pro Ser Asn Ala Arg Phe Phe Thr Tyr
 275 280 285
 Gly Asn Phe Pro Leu Asp Gln His
 290 295 296

<210> 751
 <211> 163
 <212> Amino acid
 <213> Homo sapiens

<400> 751
 Arg Gly Ala Lys Ala Lys Ser Ala Val Leu Pro Pro Gly Pro Pro Cys
 1 5 10 15
 Ser Ser Ile Leu Ile Leu Ser Pro Pro Ala Pro Leu Thr Pro Arg Ser

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                20                25                30
Pro Gly Thr Glu Ala Thr Arg Pro Thr Ala Met Ser Lys Ser Leu Lys
   35                40                45
Lys Lys Ser His Trp Thr Ser Lys Val His Glu Ser Val Ile Gly Arg
   50                55                60
Asn Pro Glu Gly Gln Leu Gly Phe Glu Leu Lys Gly Gly Ala Glu Asn
   65                70                75                80
Gly Gln Phe Pro Tyr Leu Gly Glu Val Lys Pro Gly Lys Val Ala Tyr
   85                90                95
Glu Ser Gly Ser Lys Leu Val Ser Glu Glu Leu Leu Leu Glu Val Asn
  100                105                110
Glu Thr Pro Val Ala Gly Leu Thr Ile Arg Asp Val Leu Ala Val Ile
  115                120                125
Lys His Cys Lys Asp Pro Leu Arg Leu Lys Cys Val Lys Gln Gly Glu
  130                135                140                145
Ser Ser Gly Leu Leu Ser Val Leu Pro Gly Gly Thr Ala Arg Gly
  145                150                155                160
Ala Gly Gln
  153

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<210> 752
<211> 99
<212> Amino acid
<213> Homo sapiens

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<400> 752
Ser His Arg Pro Gln Pro Asp Ala Trp Arg Gln Gly Asn Ala Phe Gln
  1                5                10                15
Cys Val Gln Lys Glu Lys Met Gln Val Ser Ser Ala Glu Val Arg Ile
   20                25                30
Gly Pro Met Arg Leu Thr Gln Asp Pro Ile Gln Val Leu Leu Ile Phe
   35                40                45
Ala Lys Glu Asp Ser Gln Ser Asp Gly Phe Trp Trp Ala Cys Asp Arg
   50                55                60
Ala Gly Tyr Arg Cys Asn Ile Ala Arg Thr Pro Glu Ser Ala Leu Glu
   65                70                75                80
Cys Phe Leu Asp Lys His His Glu Ile Ile Val Ile Asp His Arg Gln
   85                90                95
Thr Gln Asn
  99

```

```

<210> 753
<211> 193
<212> Amino acid
<213> Homo sapiens

```

```

<400> 753
Phe Arg Leu Ala Gly Cys Gly His Leu Leu Val Ser Leu Leu Gly Leu
  1                5                10                15
Leu Leu Leu Leu Ala Arg Ser Gly Thr Arg Ala Leu Val Cys Leu Pro
   20                25                30
Cys Asp Glu Ser Lys Cys Glu Glu Pro Arg Asn Cys Pro Gly Ser Ile
   35                40                45
Val Gln Gly Val Cys Gly Cys Cys Tyr Thr Cys Ala Ser Gln Arg Asn

```

```

      50              55              60
Glu Ser Cys Gly Gly Thr Phe Gly Ile Tyr Gly Thr Cys Asp Arg Gly
65              70              75              80
Leu Arg Cys Val Ile Arg Pro Pro Leu Asn Gly Asp Ser Leu Thr Glu
      85              90              95
Tyr Glu Ala Gly Val Cys Glu Asp Glu Asn Trp Thr Asp Asp Gln Leu
100              105              110
Leu Gly Phe Lys Pro Cys Asn Glu Asn Leu Ile Ala Gly Cys Asn Ile
115              120              125
Ile Asn Gly Lys Cys Glu Cys Asn Thr Ile Arg Thr Cys Ser Asn Pro
130              135              140
Phe Glu Phe Pro Ser Gln Asp Met Cys Leu Ser Ala Leu Lys Arg Ile
145              150              155              160
Glu Glu Glu Lys Pro Asp Cys Ser Lys Ala Arg Cys Glu Val Gln Phe
165              170              175
Ser Pro Arg Cys Pro Glu Asp Ser Val Leu Ile Glu Gly Tyr Ala Pro
180              185              190
Pro
193

```

```

<210> 754
<211> 73
<212>Amino acid
<213> Homo sapiens

```

```

      <400> 754
Phe Arg Met Ala Ala Asn Val Gly Ser Met Phe Gln Tyr Trp Lys Arg
1              5              10              15
Phe Asp Leu Gln Gln Leu Gln Arg Glu Leu Asp Ala Thr Ala Thr Val
      20              25              30
Leu Ala Asn Arg Gln Asp Glu Ser Glu Gln Ser Arg Lys Arg Leu Ile
35              40              45
Glu Gln Ser Arg Glu Phe Lys Lys Asn Thr Pro Glu Val Arg Arg Val
50              55              60
Thr Ile Val Phe Ala Leu Lys Gly Ser
65              70              73

```

```

<210> 755
<211> 83
<212>Amino acid
<213> Homo sapiens

```

```

      <400> 755
Glu Thr Leu Ser Cys Arg Ile Met Asp His Pro Ser Arg Glu Lys Asp
1              5              10              15
Glu Arg Gln Arg Thr Thr Lys Pro Met Ala Gln Arg Ser Ala His Cys
20              25              30
Ser Arg Pro Ser Gly Ser Ser Ser Ser Ser Gly Val Leu Met Val Gly
35              40              45
Pro Asn Phe Arg Val Gly Lys Lys Ile Gly Cys Gly Asn Phe Gly Glu
50              55              60
Leu Arg Leu Gly Glu Gly Leu Pro Gln Val Tyr Tyr Phe Gly Pro Cys
65              70              75              80
Gly Lys Tyr

```

83

<210> 756
 <211> 100
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(100)
 <223> X = any amino acid or stop code

<400> 756
 Gly Cys Cys Lys Asp Xaa His Ser Gly Val Ile Gly Arg Ser Trp Ala
 1 5 10 15
 Met Leu Phe Ala Ser Gly Gly Phe Gln Val Lys Leu Tyr Asp Ile Glu
 20 25 30
 Gln Gln Gln Ile Arg Asn Ala Leu Glu Asn Ile Arg Trp Ala Ser Arg
 35 40 45
 Arg Ser Pro Glu Gly Met Glu Val Gly Leu Phe Leu Ser Val Gly Leu
 50 55 60
 Val Cys His Ile Leu Lys Ala Met Arg Ile Cys Asp Val Thr Phe Ser
 65 70 75 80
 Ser Asp Gly Tyr Cys Ser Ala Ser Glu Leu Val Lys Ala Arg Pro Thr
 85 90 95
 Val Ala Gly Met
 100

<210> 757
 <211> 130
 <212>Amino acid
 <213> Homo sapiens

<400> 757
 Asn Ser Arg Val Asp Asp Phe Val Ser Ala Arg Pro Lys Pro Arg Pro
 1 5 10 15
 Leu Pro Arg Ala Arg Gly Met Val Val Thr Gly Arg Glu Pro Asp
 20 25 30
 Ser Arg Arg Gln Asp Gly Ala Met Ser Ser Ser Asp Ala Glu Asp Asp
 35 40 45
 Phe Leu Glu Pro Ala Thr Pro Thr Ala Thr Gln Ala Gly His Ala Leu
 50 55 60
 Pro Pro Ala Ala Thr Gly Ser Phe Leu Arg Leu Phe Pro Leu Thr Ser
 65 70 75 80
 Glu Gly Leu Thr Ser Leu His Ala Cys Pro His Cys Gly Ala Thr Lys
 85 90 95
 Thr Pro Cys Trp Gln Pro Cys Ser Val Gly Gly Thr Thr Ser Pro Arg
 100 105 110
 Thr Pro Arg Ala Gly Thr Ser Ser Thr Glu Met Ala His Thr Leu Glu
 115 120 125
 Met Cys
 130

<210> 758
 <211> 121
 <212> Amino acid
 <213> Homo sapiens

<400> 758
 Arg Ala Leu Trp Val Gly Gly Cys Ser Gly Glu Ala Cys Gly Ile Gly
 1 5 10 15
 Met Ser Gly Leu Leu Thr Asp Pro Glu Gln Arg Ala Gln Glu Pro Arg
 20 25 30
 Tyr Pro Gly Phe Val Leu Gly Leu Asp Val Gly Ser Ser Val Ile Arg
 35 40 45
 Cys His Val Tyr Asp Arg Ala Ala Arg Val Cys Gly Ser Ser Val Gln
 50 55 60
 Lys Val Glu Asn Leu Tyr Pro Gln Ile Gly Trp Val Glu Ile Asp Pro
 65 70 75 80
 Asp Val Leu Trp Ile Gln Phe Val Ala Val Ile Lys Glu Ala Val Lys
 85 90 95
 Ala Ala Gly Ile Gln Met Asn Gln Ile Val Gly Leu Gly Ile Ser Thr
 100 105 110
 Gln Arg Ala Thr Phe Ile Thr Trp Asn
 115 120 121

<210> 759
 <211> 210
 <212> Amino acid
 <213> Homo sapiens

<400> 759
 Gly Leu Ala Ala Glu Gln Ser Met Gln Phe Val Lys Leu Trp Cys Gly
 1 5 10 15
 Cys Ser Gly Glu Phe Pro Thr Arg Leu Arg Arg Thr Pro Leu Thr
 20 25 30
 Glu Ala Met Glu Gly Gly Pro Ala Val Cys Cys Gln Asp Pro Arg Ala
 35 40 45
 Glu Leu Val Glu Arg Val Ala Ala Ile Asp Val Thr His Leu Glu Glu
 50 55 60
 Ala Asp Gly Gly Pro Glu Pro Thr Arg Asn Gly Val Asp Pro Pro Pro
 65 70 75 80
 Arg Ala Arg Ala Ala Ser Val Ile Pro Gly Ser Thr Ser Arg Leu Leu
 85 90 95
 Pro Ala Arg Pro Ser Leu Ser Ala Arg Lys Leu Ser Leu Gln Glu Arg
 100 105 110
 Pro Ala Gly Ser Tyr Leu Glu Ala Gln Ala Gly Pro Tyr Ala Thr Gly
 115 120 125
 Pro Ala Ser His Ile Ser Pro Arg Ala Trp Arg Arg Pro Thr Ile Glu
 130 135 140
 Ser His His Val Ala Ile Ser Asp Ala Glu Asp Cys Val Gln Leu Asn
 145 150 155 160
 Gln Tyr Lys Leu Gln Ser Glu Ile Gly Lys Gly Ala Tyr Gly Val Val
 165 170 175
 Arg Leu Ala Tyr Asn Glu Ser Glu Asp Arg His Tyr Ala Met Lys Val
 180 185 190
 Leu Ser Lys Lys Lys Leu Leu Lys Gln Tyr Gly Phe Pro Arg Arg Pro
 195 200 205

Pro Pro
210

<210> 760
<211> 172
<212> Amino acid
<213> Homo sapiens

<400> 760
Phe Val Tyr Gly Lys Pro Val Thr Leu Trp Pro Thr Ile Ser Ser Val
1 5 10 15
Val Pro Ser Thr Phe Leu Gly Leu Gly Asn Tyr Glu Val Glu Val Glu
20 25 30
Ala Glu Pro Asp Val Arg Gly Pro Glu Ile Val Thr Met Gly Glu Asn
35 40 45
Asp Pro Pro Ala Val Glu Ala Pro Phe Ser Phe Arg Ser Leu Phe Gly
50 55 60
Leu Asp Asp Leu Lys Ile Ser Pro Val Ala Pro Asp Ala Asp Ala Val
65 70 75 80
Ala Ala Gln Ile Leu Ser Leu Leu Pro Leu Lys Phe Phe Pro Ile Ile
85 90 95
Val Ile Gly Ile Ile Ala Leu Ile Leu Ala Leu Ala Ile Gly Leu Gly
100 105 110
Ile His Phe Asp Cys Ser Gly Lys Tyr Arg Cys Arg Ser Ser Phe Lys
115 120 125
Cys Ile Glu Leu Ile Ala Arg Cys Asp Gly Val Ser Asp Cys Lys Asp
130 135 140
Gly Glu Asp Glu Tyr Arg Cys Val Arg Val Gly Gly Gln Asn Ala Ala
145 150 155 160
Leu Gln Val Phe Thr Ala Ala Ser Arg Lys Thr Met
165 170 172

<210> 761
<211> 104
<212> Amino acid
<213> Homo sapiens

<400> 761
Ser Leu Ala Met Pro Phe Gly Cys Val Thr Leu Gly Asp Lys Lys Asn
1 5 10 15
Tyr Asn Gln Pro Ser Glu Val Thr Asp Arg Tyr Asp Leu Gly Gln Val
20 25 30
Ile Lys Thr Glu Glu Phe Cys Glu Ile Phe Arg Ala Lys Asp Lys Thr
35 40 45
Thr Gly Lys Leu His Thr Cys Lys Lys Phe Gln Lys Arg Asp Gly Arg
50 55 60
Lys Val Arg Lys Ala Ala Lys Asn Glu Ile Gly Ile Leu Lys Met Val
65 70 75 80
Lys His Pro Asn Ile Leu Gln Leu Val Asp Val Phe Val Thr Arg Lys
85 90 95
Glu Tyr Phe Ile Phe Leu Glu Leu
100 104

<210> 762
 <211> 249
 <212> Amino acid
 <213> Homo sapiens

<400> 762
 Gln Arg Arg Arg Phe Arg Ala Gly Leu Trp Gly Gly His Gly Leu Thr
 1 5 10 15
 Asp Gly Leu Arg Arg Asn Gly Gly Cys Gly Cys Ser Ala Arg Val Pro
 20 25 30
 Arg Val Gly Glu Arg Leu Arg Gly His Arg Cys Pro Asp Pro Leu Cys
 35 40 45
 Leu Leu Leu Asp Met Leu Phe Leu Ser Phe His Ala Gly Ser Trp Glu
 50 55 60
 Ser Trp Cys Cys Cys Cys Leu Ile Pro Ala Asp Arg Pro Trp Asp Arg
 65 70 75 80
 Gly Gln His Trp Gln Leu Glu Met Ala Asp Thr Arg Ser Val His Glu
 85 90 95
 Thr Arg Phe Glu Ala Ala Val Lys Val Ile Gln Ser Leu Pro Lys Asn
 100 105 110
 Gly Ser Phe Gln Pro Thr Asn Glu Met Met Leu Lys Phe Tyr Ser Phe
 115 120 125
 Tyr Lys Gln Ala Thr Glu Gly Pro Cys Lys Leu Ser Arg Pro Gly Phe
 130 135 140
 Trp Asp Pro Ile Gly Arg Tyr Lys Trp Asp Ala Trp Ser Ser Leu Gly
 145 150 155 160
 Asp Met Thr Lys Glu Glu Ala Met Ile Ala Tyr Val Glu Glu Met Lys
 165 170 175
 Lys Ile Ile Glu Thr Met Pro Met Thr Glu Lys Val Glu Glu Leu Leu
 180 185 190
 Arg Val Ile Gly Pro Phe Tyr Glu Ile Val Glu Asp Lys Lys Ser Gly
 195 200 205
 Arg Ser Ser Asp Ile Thr Ser Asp Leu Gly Asn Val Leu Thr Ser Thr
 210 215 220
 Pro Asn Ala Lys Thr Val Asn Gly Lys Ala Glu Ser Ser Asp Ser Gly
 225 230 235 240
 Ala Glu Ser Glu Glu Glu Glu Ala Cys
 245 249

<210> 763
 <211> 184
 <212> Amino acid
 <213> Homo sapiens

<400> 763
 Ser Cys Phe Lys Gly Arg Thr Gly Gly Arg Ser Gly Ser Ser Gly Asp
 1 5 10 15
 Ser Ser Arg Trp Ala Arg Cys Gly Arg His Phe Ser Ala Ser Thr Glu
 20 25 30
 Glu Pro Pro Leu Ser Gln Pro Cys Ser Ala Leu Pro Arg Ser Gly Arg
 35 40 45
 Arg Gly Cys Ala Val Pro Ser Ser Val Thr Lys Met Leu Ser Phe Phe
 50 55 60
 Arg Arg Thr Leu Gly Arg Arg Ser Met Arg Lys His Ala Glu Lys Glu
 65 70 75 80

```

Arg Leu Arg Glu Ala Gln Arg Ala Ala Thr His Ile Pro Ala Ala Gly
      85          90
Asp Ser Lys Ser Ile Ile Thr Cys Arg Val Ser Leu Leu Asp Gly Thr
      100          105          110
Asp Val Ser Val Asp Leu Pro Lys Lys Ala Lys Gly Gln Glu Leu Phe
      115          120          125
Asp Gln Ile Met Tyr His Leu Asp Leu Ile Glu Ser Asp Tyr Phe Gly
      130          135          140
Leu Arg Phe Met Asp Ser Ala Gln Val Ala His Trp Leu Asp Gly Thr
      145          150          155          160
Lys Ser Ile Lys Lys Gln Val Lys Ile Gly Ser Pro Tyr Cys Leu His
      165          170          175
Leu Arg Val Lys Phe Tyr Ser Ser
      180          184

```

<210> 764
 <211> 138
 <212> Amino acid
 <213> Homo sapiens

```

<400> 764
Glu Ser Arg Glu Arg Ser Gly Asn Arg Arg Gly Ala Glu Asp Arg Gly
1          5          10          15
Thr Cys Gly Leu Gln Ser Pro Ser Ala Met Leu Gly Ala Lys Pro His
      20          25          30
Trp Leu Pro Gly Pro Leu His Ser Pro Gly Leu Pro Leu Val Leu Val
      35          40          45
Leu Leu Ala Leu Gly Ala Gly Trp Ala Gln Glu Gly Ser Glu Pro Val
      50          55          60
Leu Leu Glu Gly Glu Cys Leu Val Val Cys Glu Pro Gly Arg Ala Ala
      65          70          75          80
Ala Gly Gly Pro Gly Gly Ala Ala Leu Gly Glu Ala Pro Pro Gly Arg
      85          90          95
Val Ala Phe Ala Ala Val Arg Ser His His His Glu Pro Ala Gly Glu
      100          105          110
Thr Gly Asn Gly Thr Ser Gly Ala Ile Tyr Phe Asp Gln Val Leu Val
      115          120          125
Asn Glu Gly Gly Gly Phe Asp Arg Ala Ser
      130          135          138

```

<210> 765
 <211> 168
 <212> Amino acid
 <213> Homo sapiens

```

<400> 765
Glu Asp Val Lys Ser Tyr Tyr Thr Val His Leu Pro Gln Leu Glu Asn
1          5          10          15
Ile Asn Ser Gly Glu Thr Arg Thr Ile Ser His Phe His Tyr Thr Thr
      20          25          30
Trp Pro Asp Phe Gly Val Pro Gln Ser Pro Ala Ser Phe Leu Asn Phe
      35          40          45
Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Asn Pro Asp His Gly Pro
      50          55          60

```

```

Val Val Ile His Arg Ser Ala Gly Thr Gly Arg Ser Ser Thr Phe Ser
65          70          75          80
Val Val His Thr Cys Leu Val Leu Met Glu Lys Gly Asp Asp Ile Asn
          85          90          95
Ile Lys Gln Val Leu Leu Asn Ile Arg Lys Phe Gln Met Gly Leu Ile
          100          105          110
Gln Thr Pro Asp Gln Leu Arg Phe Ser Tyr Met Ala Ile Thr Glu Gly
          115          120          125
Ala Lys Cys Val Lys Gly Asp Ser Ser Ile Gln Lys Arg Trp Lys Glu
          130          135          140
Leu Ser Lys Glu Asp Leu Pro Pro Ala Phe Asp His Ser Pro Asn Lys
145          150          155          160
Ile Met Thr Glu Lys Tyr Asn Arg
          165          168

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```

<210> 766
<211> 255
<212>Amino acid
<213> Homo sapiens

```

```

<400> 766
Leu Asn Arg Gln Arg Cys Gly Asp Gln Val Leu Val Pro Gly Thr Gly
1          5          10          15
Leu Ala Ala Ile Leu Arg Thr Leu Pro Met Phe His Asp Glu Glu His
          20          25          30
Ala Arg Ala Arg Gly Leu Ser Glu Asp Thr Leu Val Leu Pro Pro Ala
          35          40          45
Ser Arg Asn Gln Arg Ile Leu Tyr Thr Val Leu Glu Cys Gln Pro Leu
          50          55          60
Phe Asp Ser Ser Asp Met Thr Ile Ala Glu Trp Val Cys Leu Ala Gln
65          70          75          80
Thr Ile Lys Arg His Tyr Glu Gln Tyr His Gly Phe Val Val Ile His
          85          90          95
Gly Thr Asp Thr Met Ala Phe Ala Ala Ser Met Leu Ser Phe Met Leu
          100          105          110
Glu Asn Leu Gln Lys Thr Val Ile Leu Thr Gly Ala Gln Val Pro Ile
          115          120          125
His Ala Leu Trp Ser Asp Gly Arg Glu Asn Leu Leu Gly Ala Leu Leu
          130          135          140
Met Ala Gly Gln Tyr Val Ile Pro Glu Val Cys Leu Phe Phe Gln Asn
145          150          155          160
Gln Leu Phe Arg Gly Asn Arg Ala Thr Lys Val Asp Ala Arg Arg Phe
          165          170          175
Ala Ala Phe Cys Ser Pro Asn Leu Leu Pro Leu Ala Thr Val Gly Ala
          180          185          190
Asp Ile Thr Ile Asn Arg Glu Leu Val Arg Lys Val Asp Gly Lys Ala
          195          200          205
Gly Leu Val Val His Ser Ser Met Glu Gln Asp Val Gly Leu Leu Arg
          210          215          220
Leu Tyr Pro Gly Ile Pro Ala Ala Leu Val Arg Ala Phe Leu Gln Pro
225          230          235          240
Pro Leu Lys Gly Val Val Met Glu Thr Phe Gly Ser Gly Asn Gly
          245          250          255

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```

<210> 767
<211> 260
<212>Amino acid
<213> Homo sapiens

```

<400> 767

```

Leu Phe Arg Leu Ala Pro Gly Phe Leu Arg Ser Leu Ala Arg Gln Gly
 1           5           10           15
Tyr His Gln Ile Trp Ala Phe Pro Phe Leu Pro Ser Gly Ala Thr Ala
          20           25           30
Thr Trp Pro Ala Ala Ser Arg Ser Arg Ser Leu Ala Ala Arg Ser Leu
          35           40           45
Pro Arg Ser Pro Ala Arg Pro Gly Pro Asn Asp Ala Leu Leu Gly Glu
          50           55           60
His Asp Phe Arg Gly Gln Gly Val Arg Ala Gln Arg Phe Arg Phe Ser
65           70           75           80
Glu Glu Pro Gly Pro Gly Ala Asp Gly Ala Val Leu Glu Val His Val
          85           90           95
Pro Gln Ile Gly Ala Gly Val Ser Leu Pro Gly Ile Leu Ala Ala Lys
          100          105          110
Cys Gly Ala Glu Val Ile Leu Ser Asp Ser Ser Glu Leu Pro His Cys
          115          120          125
Leu Glu Val Cys Arg Gln Ser Cys Gln Met Asn Asn Leu Pro His Leu
          130          135          140
Gln Val Val Gly Leu Thr Trp Gly His Ile Ser Trp Asp Leu Leu Ala
          145          150          155          160
Leu Pro Pro Gln Asp Ile Ile Leu Ala Ser Asp Val Phe Phe Glu Pro
          165          170          175
Glu Asp Phe Glu Asp Ile Leu Ala Thr Ile Tyr Phe Leu Met His Lys
          180          185          190
Asn Pro Lys Val Gln Leu Trp Ser Thr Tyr Gln Val Arg Ser Ala Asp
          195          200          205
Trp Ser Leu Glu Ala Leu Leu Tyr Lys Trp Asp Met Lys Cys Val His
          210          215          220
Ile Pro Leu Glu Ser Phe Asp Ala Asp Lys Glu Asp Ile Ala Glu Ser
          225          230          235          240
Thr Leu Pro Gly Arg His Thr Val Glu Met Leu Val Ile Ser Phe Ala
          245          250          255
Lys Asp Ser Leu
          260

```

<210> 768
 <211> 200
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(200)
 <223> X = any amino acid or stop code

<400> 768

```

Ser Phe Ile Tyr Lys His Thr His Arg Ala Arg Phe Gly Pro Arg Ala
 1           5           10           15
Ile Val Ala Ser Pro Ala Leu Thr Ala Gly Pro His Val Ser Leu Thr
          20           25           30
Ala Ser Cys Arg Val Gly Met Trp Val Ser Cys Ser Pro Ser Pro Phe
          35           40           45
Leu His Pro Thr Asn Thr Leu Val Ala Val Leu Glu Arg Asp Thr Leu

```

```

      50              55              60
Gly Ile Arg Glu Val Arg Leu Phe Asn Ala Val Val Arg Trp Ser Glu
65              70              75              80
Ala Glu Cys Gln Arg Gln Gln Leu Gln Val Thr Pro Glu Asn Arg Arg
      85              90              95
Lys Val Leu Gly Lys Ala Leu Gly Leu Ile Arg Phe Pro Leu Met Thr
      100             105             110
Ile Glu Glu Phe Ala Ala Gly Asn Arg Ala Arg Ala Gln Gly Leu Val
      115             120             125
Trp Glu Gly Ser Gly Thr Gln Val Gly Ile Trp Cys Thr Glu Asp Ser
      130             135             140
Ala Pro Glu Phe Thr Ala Glu Ser Leu Ala Asp Ala Trp His Ile Gln
      145             150             155             160
Ile Gly Arg Asn Leu Ala Cys Glu Asp Ala Ser Thr Trp Ala Ile Cys
      165             170             175
Xaa Pro Arg Pro Gly Ser Val Pro Thr Val His Thr Ala Arg Pro Arg
      180             185             190
Leu Ser Cys Leu Ser Ser Cys Phe
      195             200

```

```

<210> 769
<211> 33
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)
<223> X = any amino acid or stop code

```

```

<400> 769
Met Ala Ser Thr Gln Asp Ala Glu Leu Ala Val Ser Arg Xaa Arg Ala
1              5              10              15
Ile Ala Leu Xaa Pro Gly Xaa Gln Ser Xaa Xaa Pro Ser Gln Lys Lys
      20              25              30
Lys
33

```

```

<210> 770
<211> 599
<212> Amino acid
<213> Homo sapiens

```

```

<400> 770
Leu Leu Lys Ser Cys Gly Val Leu Leu Ser Gly Val Cys Ile Pro Cys
1              5              10              15
Glu Gly Lys Gly Pro Thr Val Leu Val Ile Gln Thr Ala Val Pro Gln
      20              25              30
Asp Arg Pro Thr Lys Ser Ser Met Arg Ser Ala Ala Lys Pro Trp Asn
      35              40              45
Pro Ala Ile Arg Ala Gly Gly His Gly Pro Asp Arg Val Arg Pro Leu
      50              55              60
Pro Ala Ala Ser Ser Gly Met Lys Ser Ser Lys Ser Ser Thr Ser Leu
      65              70              75              80

```

Ala Phe Glu Ser Arg Leu Ser Arg Leu Lys Arg Ala Ser Ser Glu Asp
 85 90 95
 Thr Leu Asn Lys Pro Gly Ser Thr Ala Ala Ser Gly Val Val Arg Leu
 100 105 110
 Lys Lys Thr Ala Thr Ala Gly Ala Ile Ser Glu Leu Thr Glu Ser Arg
 115 120 125
 Leu Arg Ser Gly Thr Gly Ala Phe Thr Thr Thr Lys Arg Thr Gly Ile
 130 135 140
 Pro Ala Pro Arg Glu Phe Ser Val Thr Val Ser Arg Glu Arg Ser Val
 145 150 155 160
 Pro Arg Gly Pro Ser Asn Pro Arg Lys Ser Val Ser Ser Pro Thr Ser
 165 170 175
 Ser Asn Thr Pro Thr Pro Thr Lys His Leu Arg Thr Pro Ser Thr Lys
 180 185 190
 Pro Lys Gln Glu Asn Glu Gly Gly Glu Lys Val Arg Leu Ser Pro Lys
 195 200 205
 Phe Arg Glu Leu Leu Ala Glu Ala Lys Ala Lys Asp Ser Glu Ile Asn
 210 215 220
 Arg Leu Arg Ser Glu Leu Lys Lys Tyr Lys Glu Lys Arg Thr Leu Asn
 225 230 235 240
 Ala Glu Gly Thr Asp Ala Leu Gly Pro Asn Val Asp Gly Thr Ser Val
 245 250 255
 Ser Pro Gly Asp Thr Glu Pro Met Ile Arg Ala Leu Glu Glu Lys Asn
 260 265 270
 Lys Asn Phe Gln Lys Glu Leu Ser Asp Leu Glu Glu Glu Asn Arg Val
 275 280 285
 Leu Lys Glu Lys Leu Ile Tyr Leu Glu His Ser Pro Asn Ser Glu Gly
 290 295 300
 Ala Ala Ser His Thr Gly Asp Ser Ser Cys Pro Thr Ser Ile Thr Gln
 305 310 315 320
 Glu Ser Ser Phe Gly Ser Pro Thr Gly Asn Gln Leu Ser Ser Asp Ile
 325 330 335
 Asp Glu Tyr Lys Lys Asn Ile His Gly Asn Ala Leu Arg Thr Ser Gly
 340 345 350
 Ser Ser Ser Ser Asp Val Thr Lys Ala Ser Leu Ser Pro Asp Ala Ser
 355 360 365
 Asp Phe Glu His Ile Thr Ala Glu Thr Pro Ser Arg Pro Leu Ser Ser
 370 375 380
 Thr Ser Asn Pro Phe Lys Ser Ser Lys Cys Ser Thr Ala Gly Ser Ser
 385 390 395 400
 Pro Asn Ser Val Ser Glu Leu Ser Leu Ala Ser Leu Thr Glu Lys Ile
 405 410 415
 Gln Lys Met Glu Glu Asn His His Ser Thr Ala Glu Glu Leu Gln Ala
 420 425 430
 Thr Leu Gln Glu Leu Ser Asp Gln Gln Gln Met Val Gln Glu Leu Thr
 435 440 445
 Ala Glu Asn Glu Lys Leu Val Asp Glu Lys Thr Ile Leu Glu Thr Ser
 450 455 460
 Phe His Gln His Arg Glu Arg Ala Glu Gln Leu Ser Gln Glu Asn Glu
 465 470 475 480
 Lys Leu Met Asn Leu Leu Gln Glu Arg Val Lys Asn Glu Glu Pro Thr
 485 490 495
 Thr Gln Glu Gly Lys Ile Ile Glu Leu Glu Gln Lys Cys Thr Gly Ile
 500 505 510
 Leu Glu Gln Gly Arg Phe Glu Arg Glu Lys Leu Leu Asn Ile Gln Gln
 515 520 525
 Gln Leu Thr Cys Ser Leu Arg Lys Val Glu Glu Glu Asn Gln Gly Ala
 530 535 540
 Leu Glu Met Ile Lys Arg Leu Lys Glu Glu Asn Glu Lys Leu Asn Glu
 545 550 555 560
 Phe Leu Glu Leu Glu Arg His Asn Asn Asn Met Met Ala Lys Thr Leu
 565 570 575
 Glu Glu Cys Arg Val Thr Leu Glu Gly Leu Lys Met Glu Asn Gly Ser
 580 585 590

Leu Lys Ser His Leu Gln Gly
595 599

<210> 771
<211> 103
<212> Amino acid
<213> Homo sapiens

<400> 771
Ser Gln Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn
1 5 10 15
Phe Cys Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile
20 25 30
Lys Ala Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu
35 40 45
Thr Asp Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly
50 55 60
Tyr Val Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu
65 70 75 80
Leu Thr Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val
85 90 95
Phe Asp Asn Gln Phe Gly Leu
100 103

<210> 772
<211> 218
<212> Amino acid
<213> Homo sapiens

<400> 772
Pro Phe Lys Lys Met Thr Asp Leu Leu Arg Ser Val Val Thr Val Ile
1 5 10 15
Asp Val Phe Tyr Lys Tyr Thr Lys Gln Asp Gly Glu Cys Gly Thr Leu
20 25 30
Ser Lys Gly Glu Leu Lys Glu Leu Leu Glu Lys Glu Leu His Pro Val
35 40 45
Leu Lys Asn Pro Asp Asp Pro Asp Thr Val Asp Val Ile Met His Met
50 55 60
Leu Asp Arg Asp His Asp Arg Arg Leu Asp Phe Thr Glu Phe Leu Leu
65 70 75 80
Met Ile Phe Lys Leu Thr Met Ala Cys Asn Lys Val Leu Ser Lys Glu
85 90 95
Tyr Cys Lys Ala Ser Gly Ser Lys Lys His Arg Arg Gly His Arg His
100 105 110
Gln Glu Glu Glu Ser Glu Thr Glu Glu Asp Glu Glu Asp Thr Pro Gly
115 120 125
His Lys Ser Gly Tyr Arg His Ser Ser Trp Ser Glu Gly Glu Glu His
130 135 140
Gly Tyr Ser Ser Gly His Ser Arg Gly Thr Val Lys Cys Arg His Gly
145 150 155 160
Ser Asn Ser Arg Arg Leu Gly Arg Gln Gly Asn Leu Ser Ser Ser Gly
165 170 175
Asn Gln Glu Gly Ser Gln Lys Arg Tyr His Arg Ser Ser Cys Gly His
180 185 190


```

Ser Trp Ser Gly Gly Lys Asp Arg His Gly Ser Ser Ser Val Glu Leu
      195                200                205
Arg Glu Arg Ile Asn Lys Ser His Ile Lys
      210                215                218

```

```

<210> 773
<211> 130
<212>Amino acid
<213> Homo sapiens

```

```

<400> 773
Val Pro Lys Ile Ser Gly Pro Asp His Ile Asp Phe Ile Pro Trp Asp
 1          5          10          15
Gln Leu Phe Met Ala Ser Ser Ser Ser Val Thr Glu Phe Leu Val Leu
      20          25          30
Gly Phe Ser Ser Leu Gly Glu Leu Gln Leu Val Leu Phe Ala Val Phe
      35          40          45
Leu Cys Leu Tyr Leu Ile Ile Leu Ser Gly Asn Ile Ile Ile Ser
      50          55          60
Val Ile His Leu Asp His Ser Leu His Thr Pro Met Tyr Phe Phe Leu
      65          70          75          80
Gly Ile Leu Ser Ile Ser Glu Ile Phe Tyr Thr Thr Val Ile Leu Pro
      85          90          95
Lys Met Leu Ile Asn Leu Phe Ser Val Phe Arg Thr Leu Ser Phe Val
      100          105          110
Ser Cys Ala Thr Gln Met Phe Tyr Glu Ile Val Gly Pro Gly Thr Gln
      115          120          125
Glu Arg
130

```

```

<210> 774
<211> 204
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(204)
<223> X = any amino acid or stop code

```

```

<400> 774
Asp His Ser Thr Glu Thr Pro Gly Ile Pro Ala Ala Glu Pro Val Ser
 1          5          10          15
His Gly Thr Gly Lys Leu Glu Arg Ala Pro Thr Leu Pro Ala Gly Ala
      20          25          30
Glu Leu Pro Ala Pro Ala Ala Val Pro Cys Pro Thr Leu Xaa Val Cys
      35          40          45
Leu Tyr Pro Gln Leu Leu Gly Leu Ser Val Ala Thr Met Val Thr Leu
      50          55          60
Thr Tyr Phe Gly Ala His Phe Ala Val Ile Arg Arg Ala Ser Leu Glu
      65          70          75          80
Lys Asn Pro Tyr Gln Ala Val His Gln Trp Gly Thr Gln Gln Arg Leu
      85          90          95
Ile Gln His Pro Glu Ser Gly Ser Glu Gly Gln Ser Leu Leu Gly Pro

```

```

100          105          110
Leu Arg Ala Phe Ser Ala Gly Leu Ser Leu Val Gly Leu Thr Leu
115          120          125
Gly Ala Val Leu Ser Ala Ala Ala Thr Val Arg Glu Ala Gln Gly Leu
130          135          140
Met Ala Gly Gly Phe Leu Cys Phe Ser Leu Ala Phe Cys Ala Gln Val
145          150          155          160
Gln Val Val Phe Trp Arg Leu His Ser Pro Thr Gln Val Glu Asp Ala
165          170          175
Met Leu Asp Thr Tyr Asp Leu Val Tyr Glu Gln Ala Met Lys Gly Thr
180          185          190
Ser His Val Arg Arg Gln Glu Leu Ala Ala Ile Gln
195          200          204

```

<210> 775
 <211> 121
 <212> Amino acid
 <213> Homo sapiens

```

<400> 775
Gln Pro Gly Tyr Ser Glu Tyr Asp Lys Asn Arg Gly Gln Gly Met Leu
1      5      10      15
Leu Asn Met Met Cys Gly Arg Gln Leu Ser Ala Ile Ser Leu Cys Leu
20     25     30
Ala Val Thr Phe Ala Pro Leu Phe Asn Ala Gln Ala Asp Glu Pro Glu
35     40     45
Val Ile Pro Gly Asp Ser Pro Val Ala Val Ser Glu Gln Gly Glu Ala
50     55     60
Leu Pro Gln Ala Gln Ala Thr Ala Ile Met Ala Gly Ile Gln Pro Leu
65     70     75     80
Pro Glu Gly Ala Ala Glu Lys Ala Arg Thr Gln Ile Glu Ser Gln Leu
85     90     95
Pro Ala Gly Tyr Lys Pro Val Tyr Leu Asn Gln Leu Gln Leu Tyr
100    105    110
Ala Ala Arg Gly Ile Ser Cys Ser Val
115    120    121

```

<210> 776
 <211> 142
 <212> Amino acid
 <213> Homo sapiens

```

<400> 776
Arg Thr Arg Ala Ala Asp Val Tyr Val Phe Ser Leu Thr Gly Lys Ser
1      5      10      15
Arg Asn Val Ser Ser Thr Val Arg Arg Ser Ala Val Gly Gly Met
20     25     30
Ser Ala Leu Ala Leu Phe Asp Leu Leu Lys Pro Asn Tyr Ala Leu Ala
35     40     45
Thr Gln Val Glu Phe Thr Asp Pro Glu Ile Val Ala Glu Tyr Ile Thr
50     55     60
Tyr Pro Ser Pro Asn Gly His Gly Glu Val Arg Gly Tyr Leu Val Lys
65     70     75     80
Pro Ala Lys Met Ser Gly Lys Thr Pro Ala Val Val Val Val His Glu

```

				85					90					95						
Asn	Arg	Gly	Leu	Asn	Pro	Tyr	Ile	Glu	Asp	Val	Ala	Arg	Arg	Val	Ala					
			100					105						110						
Lys	Ala	Gly	Tyr	Ile	Ala	Leu	Ala	Pro	Asp	Gly	Leu	Ser	Ser	Val	Gly					
			115				120					125								
Gly	Tyr	Pro	Gly	Asn	Asp	Ile	Lys	Val	Val	Ser	Ala	Ala	Ala							
			130			135					140		142							

```
<210> 777
<211> 150
<212> Amino acid
<213> Homo sapiens
```

[illegible]

```
<210> 778
<211> 296
<212> Amino acid
<213> Homo sapiens
```

His Ala Ala Gly Ile Arg His Glu Ala Lys Pro Lys Arg Ser Phe Tyr																	
1				5				10								15	
Ala	Ala	Arg	Asp	Leu	Tyr	Lys	Tyr	Arg	His	Gln	Tyr	Pro	Asn	Phe	Lys		
			20					25					30				
Asp	Ile	Arg	Tyr	Gln	Asn	Asp	Leu	Ser	Asn	Leu	Arg	Phe	Tyr	Lys	Asn		
			35				40					45					
Lys	Ile	Pro	Phe	Lys	Pro	Asp	Gly	Val	Tyr	Ile	Glu	Glu	Val	Leu	Ser		
			50			55					60						
Lys	Trp	Lys	Gly	Asp	Tyr	Glu	Lys	Leu	Glu	His	Asn	His	Thr	Tyr	Ile		
			65			70				75					80		
Gln	Trp	Leu	Phe	Pro	Leu	Arg	Glu	Gln	Gly	Leu	Asn	Phe	Tyr	Ala	Lys		
				85					90					95			
Glu	Leu	Thr	Thr	Tyr	Glu	Ile	Glu	Glu	Phe	Lys	Lys	Thr	Lys	Glu	Ala		

```

100      105      110
Ile Arg Arg Phe Leu Leu Ala Tyr Lys Met Met Leu Glu Phe Phe Gly
115      120      125
Ile Lys Leu Thr Asp Lys Thr Gly Asn Val Ala Arg Ala Val Asn Trp
130      135      140
Gln Glu Arg Phe Gln His Leu Asn Glu Ser Gln His Asn Tyr Leu Arg
145      150      155
Ile Thr Arg Ile Leu Lys Ser Leu Gly Glu Leu Gly Tyr Glu Ser Phe
160      165      170
Lys Ser Pro Leu Val Lys Phe Ile Leu His Glu Ala Leu Val Glu Asn
175      180      185
Thr Ile Pro Asn Ile Lys Gln Ser Ala Leu Glu Tyr Phe Val Tyr Thr
190      195      200
Ile Arg Asp Arg Arg Glu Arg Arg Lys Leu Leu Arg Phe Ala Gln Lys
205      210      215
His Tyr Thr Pro Ser Glu Asn Phe Ile Trp Gly Pro Pro Arg Lys Glu
220      225      230
Gln Ser Glu Gly Ser Lys Ala Gln Lys Met Ser Ser Pro Leu Ala Ser
235      240      245
Ser His Asn Ser Gln Thr Ser Met His Lys Lys Ala Lys Asp Ser Lys
250      255      260
Asn Ser Ser Ser Ala Val His Leu Asn Ser Lys Thr Ala Glu Asp Lys
265      270      275
Lys Val Ala Pro Lys Glu Pro Val
280      285
290      295 296

```

```

<210> 779
<211> 90
<212>Amino acid
<213> Homo sapiens

```

```

<400> 779
Glu Leu Gln Val Phe Gln Pro Ile Gly Gly Met Ser Asp Ser Gly Ser
1      5      10      15
Gln Leu Gly Ser Met Gly Ser Leu Thr Met Lys Ser Gln Leu Gln Ile
20      25      30
Thr Val Ile Ser Ala Lys Leu Lys Glu Asn Lys Lys Asn Trp Phe Gly
35      40      45
Pro Ser Pro Tyr Val Glu Val Thr Val Asp Gly Gln Ser Lys Lys Thr
50      55      60
Glu Lys Cys Asn Asn Thr Asn Ser Pro Lys Trp Lys Gln Pro Leu Thr
65      70      75      80
Val Ile Val Thr Pro Val Ser Lys Leu His
85      90

```

```

<210> 780
<211> 88
<212>Amino acid
<213> Homo sapiens

```

```

<400> 780
Ile Glu Thr Leu Ser Phe Val Ile Arg Asn Trp Asn Thr His Ala Met
1      5      10      15
Ser Lys Pro Ile Val Met Glu Arg Gly Val Lys Tyr Arg Asp Ala Asp

```

```

          20          25          30
Lys Met Ala Leu Ile Pro Val Lys Asn Val Ala Thr Glu Arg Glu Ala
          35          40          45
Leu Leu Arg Lys Pro Glu Trp Met Lys Ile Lys Leu Pro Ala Asp Ser
          50          55          60
Thr Arg Ile Gln Gly Ile Lys Ala Ala Met Arg Lys Asn Gly Leu His
          65          70          75          80
Ser Val Cys Glu Glu Ala Ser Cys
          85          88

```

<210> 781
 <211> 35
 <212>Amino acid
 <213> Homo sapiens

```

          <400> 781
Pro Arg Met Val Leu Gly Lys Pro Gln Thr Asp Pro Thr Leu Glu Trp
1          5          10          15
Phe Leu Ser His Cys His Ile His Lys Tyr Pro Ser Lys Ser Thr Leu
          20          25          30
Ile Pro Gln
          35

```

<210> 782
 <211> 145
 <212>Amino acid
 <213> Homo sapiens

```

          <400> 782
Gly Leu Arg Ile Ser Val Gln Glu Arg Ile Lys Ala Cys Phe Thr Glu
1          5          10          15
Ser Ile Gln Thr Gln Ile Ala Ala Ala Glu Ala Leu Pro Asp Ala Ile
          20          25          30
Ser Arg Ala Ala Met Thr Leu Val Gln Ser Leu Leu Asn Gly Asn Lys
          35          40          45
Ile Leu Cys Cys Gly Asn Gly Thr Ser Ala Ala Asn Ala Gln His Phe
          50          55          60
Ala Ala Ser Met Ile Asn Arg Phe Glu Thr Glu Arg Pro Ser Leu Pro
          65          70          75          80
Ala Ile Ala Leu Asn Thr Asp Asn Val Val Leu Thr Ala Ile Ala Asn
          85          90          95
Asp Arg Leu His Asp Glu Val Tyr Ala Lys Gln Val Arg Ala Leu Gly
          100          105          110
His Ala Gly Asp Val Leu Leu Ala Ile Ser Thr Arg Gly Asn Ser Arg
          115          120          125
Asp Ile Val Lys Ala Val Glu Ala Ala Val Thr Arg Asp Thr Thr Ile
          130          135          140
Val
145

```

<210> 783
 <211> 102
 <212>Amino acid

<213> Homo sapiens

<400> 783

```

Lys Gln Thr Gln His Ala Pro Gly Met Met Lys Lys Tyr Leu Ala Leu
 1          5          10          15
Ala Leu Ile Ala Pro Leu Leu Ile Ser Cys Ser Thr Thr Lys Lys Gly
 20          25          30
Asp Thr Tyr Asn Glu Ala Trp Val Lys Asp Thr Asn Gly Phe Asp Ile
 35          40          45
Leu Met Gly Gln Phe Ala His Asn Ile Glu Asn Ile Trp Gly Phe Lys
 50          55          60
Glu Val Val Ile Ala Gly Pro Lys Asp Tyr Val Lys Tyr Thr Asp Gln
 65          70          75          80
Tyr Gln Thr Arg Ser His Ile Asn Phe Asp Asp Gly Thr Ile Thr Ile
 85          90          95
Glu Pro Ile Pro Gly Thr
100          102

```

<210> 784

<211> 78

<212>Amino acid

<213> Homo sapiens

<400> 784

```

Thr Asp Arg Thr Ala Leu Asn Pro Gly Gln Glu Ser Ala Met Asn Arg
 1          5          10          15
Leu Phe Ser Gly Arg Ser Asp Met Pro Phe Ala Leu Leu Leu Ala
 20          25          30
Pro Ser Leu Leu Leu Gly Gly Leu Val Ala Trp Pro Met Val Ser
 35          40          45
Asn Ile Glu Ile Ser Phe Leu Arg Leu Pro Leu Asn Pro Asn Ile Glu
 50          55          60
Ser Thr Phe Val Gly Val Ser Asn Tyr Val Arg Ile Leu Ser
 65          70          75          78

```

<210> 785

<211> 148

<212>Amino acid

<213> Homo sapiens

<400> 785

```

Lys Glu Leu Val Asp Glu Lys Ser Glu Arg Gly Arg Ala Met Asp Pro
 1          5          10          15
Val Ser Gln Leu Ala Ser Ala Gly Thr Phe Arg Val Leu Lys Glu Pro
 20          25          30
Leu Ala Phe Leu Arg Ala Leu Glu Leu Leu Phe Ala Ile Phe Ala Phe
 35          40          45
Ala Thr Cys Gly Gly Tyr Ser Gly Gly Leu Arg Leu Ser Val Asp Cys
 50          55          60
Val Asn Lys Thr Glu Ser Asn Leu Ser Ile Asp Ile Ala Phe Ala Tyr

```

```

65              70              75              80
Pro Phe Arg Leu His Gln Val Thr Phe Glu Val Pro Thr Cys Glu Gly
      85              90              95
Lys Glu Arg Gln Lys Leu Ala Leu Ile Gly Asp Ser Ser Ser Ser Ala
      100              105              110
Glu Phe Phe Val Thr Val Ala Val Phe Ala Phe Leu Tyr Ser Leu Ala
      115              120              125
Ala Thr Gly Arg Tyr Ile Phe Phe His Asn Lys Asn Arg Glu Asn Asn
      130              135              140
Arg Gly Pro Leu
145              148

```

```

<210> 786
<211> 246
<212>Amino acid
<213> Homo sapiens

```

```

<400> 786
Leu Gly Thr Val Ser Tyr Gly Ala Asp Thr Met Asp Glu Ile Gln Ser
1              5              10              15
His Val Arg Asp Ser Tyr Ser Gln Met Gln Ser Gln Ala Gly Gly Asn
      20              25              30
Asn Thr Gly Ser Thr Pro Leu Arg Lys Ala Gln Ser Ser Ala Pro Lys
      35              40              45
Val Arg Lys Ser Val Ser Ser Arg Ile His Glu Ala Val Lys Ala Ile
      50              55              60
Val Leu Cys His Asn Val Thr Pro Val Tyr Glu Ser Arg Ala Gly Val
65              70              75              80
Thr Glu Glu Thr Glu Phe Ala Glu Ala Asp Gln Asp Phe Ser Asp Glu
      85              90              95
Asn Arg Thr Tyr Gln Ala Ser Ser Pro Asp Glu Val Ala Leu Val Gln
      100              105              110
Trp Thr Glu Ser Val Gly Leu Thr Leu Val Ser Arg Asp Leu Thr Ser
      115              120              125
Met Gln Leu Lys Thr Pro Ser Gly Gln Val Leu Ser Phe Cys Ile Leu
      130              135              140
Gln Leu Phe Pro Phe Thr Ser Glu Ser Lys Arg Met Gly Val Ile Val
145              150              155              160
Arg Asp Glu Ser Thr Ala Glu Ile Thr Phe Tyr Met Lys Gly Ala Asp
      165              170              175
Val Ala Met Ser Pro Ile Val Gln Tyr Asn Asp Trp Leu Glu Glu Glu
      180              185              190
Cys Gly Asn Met Ala Arg Glu Gly Leu Arg Thr Leu Val Val Ala Lys
      195              200              205
Lys Ala Leu Thr Glu Glu Gln Tyr Gln Asp Phe Glu Val Ser Arg Leu
      210              215              220
Pro Gly Ile Pro Ser Ser Tyr Asp Gly Ala Phe Leu Thr Leu Lys Leu
225              230              235              240
Val Leu Pro Val Phe Val
      245 246

```

```

<210> 787
<211> 176
<212>Amino acid
<213> Homo sapiens

```

<400> 787

```

Glu Gly Pro His Arg Arg Leu Phe Gln Met Val Lys Ala Leu Gln Glu
1           5           10           15
Ala Pro Glu Asp Pro Asn Gln Ile Leu Ile Gly Tyr Ser Arg Gly Leu
20           25           30
Val Val Ile Trp Asp Leu Gln Gly Ser Arg Val Leu Tyr His Phe Leu
35           40           45
Ser Ser Gln Gln Leu Glu Asn Ile Trp Trp Gln Arg Asp Gly Arg Leu
50           55           60
Leu Val Ser Cys His Ser Asp Gly Ser Tyr Cys Gln Trp Pro Val Ser
65           70           75           80
Ser Glu Ala Gln Gln Pro Glu Pro Leu Arg Ser Leu Val Pro Tyr Gly
85           90           95
Pro Phe Pro Cys Lys Ala Ile Thr Arg Ile Leu Trp Leu Thr Thr Arg
100          105          110
Gln Gly Leu Pro Phe Thr Ile Phe Gln Gly Gly Met Pro Arg Ala Ser
115          120          125
Tyr Gly Asp Arg His Cys Ile Ser Val Ile His Asp Gly Gln Gln Thr
130          135          140
Ala Phe Asp Phe Thr Ser Arg Val Ile Gly Phe Thr Val Leu Thr Glu
145          150          155          160
Ala Asp Pro Ala Ala Ser Arg Arg Ala Ser Gly Val Gly Ala Gln Gly
165          170          175          176

```

<210> 788

<211> 180

<212> Amino acid

<213> Homo sapiens

<400> 788

```

Lys Gln Gly Leu Glu Val Arg Asp Leu His Phe Lys Glu Ile Thr Ser
1           5           10           15
Gly Arg Ala Leu Leu Arg Val Ala Cys Lys Arg Pro Ser Met Val Pro
20           25           30
Gly Gly Gln Leu Gln Arg Ala Gly Ala Gly Ala Gln Ala Arg Ile Thr
35           40           45
Gly Leu Ser Pro Ala Leu Trp Gly Ala Arg Val His Gly Trp Ile Pro
50           55           60
Glu Leu Pro Ala Gly Leu Pro Pro Gly Ala Cys Leu Trp Pro Leu Ile
65           70           75           80
Pro Ala Cys Pro Ser Arg His Trp Gly Trp Val Ser Ala Pro Val Lys
85           90           95
Gly Trp Ala Gln Ala Ile Leu Gly Leu Ala Leu Cys Leu Arg Gly Glu
100          105          110
His Arg Gly Leu Gly Ala Gly Val Ser Lys Val Arg Ser Leu Lys Met
115          120          125
Asp Arg Lys Val Trp Thr Glu Thr Leu Ile Glu Val Gly Met Pro Leu
130          135          140
Leu Ala Thr Asp Thr Trp Gly Leu Pro His Ser Thr Ala Val Trp Val
145          150          155          160
Ser Gln Pro Pro Pro Tyr Leu Ser Asp His Ser Thr Leu Glu Leu Glu
165          170          175
Arg Asp Pro Leu
180

```


<210> 789
 <211> 145
 <212>Amino acid
 <213> Homo sapiens

<400> 789
 Leu Ser Cys Asn Ser Glu Gln Ala Leu Leu Ser Leu Val Pro Val Gln
 1 5 10 15
 Arg Glu Leu Leu Arg Arg Arg Tyr Gln Ser Ser Pro Ala Lys Pro Asp
 20 25 30
 Ser Ser Phe Tyr Lys Gly Leu Gly Thr Cys Pro Ser Gln Leu Arg Leu
 35 40 45
 Ser Glu Pro Pro Pro Thr Pro Arg His Leu Ser Val Ala Ser Val Ser
 50 55 60
 His His Met Phe Pro Ser His Arg Ser Leu Cys Pro His Leu Pro Asp
 65 70 75 80
 Phe Phe Ala Ala Pro Phe Pro Ser Asp Asn Leu Pro Tyr Thr Leu Gln
 85 90 95
 Ser Pro Phe Pro Ser Pro Pro Pro Ala Thr Pro Ser Asp His Ala Leu
 100 105 110
 Ile Leu His His Asp Leu Asn Gly Gly Pro Asp Asp Pro Leu Gln Gln
 115 120 125
 Thr Gly Gln Leu Phe Gly Gly Leu Val Arg Asp Ile Arg Arg Arg Tyr
 130 135 140
 Pro
 145

<210> 790
 <211> 65
 <212>Amino acid
 <213> Homo sapiens

<400> 790
 Ser Pro Ser Ser Lys Leu Val Gly Met Trp Trp Ala Gly Arg Ala Gly
 1 5 10 15
 Ser Ser Arg Thr Thr Ser Val Ser Leu Leu Cys Leu Pro Ser Ala Pro
 20 25 30
 Phe Gly Ala Ser Asn Leu Leu Val Asn Pro Leu Glu Pro Gln Asn Ala
 35 40 45
 Asp Lys Ile Lys Ile Lys Ile Ala Asp Leu Gly Asn Ala Cys Trp Val
 50 55 60
 Val
 65

<210> 791
 <211> 144
 <212>Amino acid
 <213> Homo sapiens

<400> 791

```

Arg Val Asp Pro Arg Val Arg Ala Pro Arg Cys Gly Asp Lys Ile Lys
1           5           10           15
Asn His Met Tyr Lys Cys Asp Cys Gly Ser Leu Lys Asp Cys Ala Ser
          20           25           30
Asp Arg Cys Cys Glu Thr Ser Cys Thr Leu Ser Leu Gly Ser Val Cys
          35           40           45
Asn Thr Gly Leu Cys Cys His Lys Cys Lys Tyr Ala Ala Pro Gly Val
          50           55           60
Val Cys Arg Asp Leu Gly Gly Ile Cys Asp Leu Pro Glu Tyr Cys Asp
          65           70           75           80
Gly Lys Lys Glu Glu Cys Pro Asn Asp Ile Tyr Ile Gln Asp Gly Thr
          85           90           95
Pro Cys Ser Ala Val Ser Val Cys Ile Arg Gly Asn Cys Ser Asp Arg
          100          105          110
Asp Met Gln Cys Gln Ala Leu Phe Gly Tyr Gln Val Lys Asp Gly Ser
          115          120          125
Pro Ala Cys Tyr Arg Lys Leu Asn Arg Ile Gly Asn Arg Phe Gly Thr
          130          135          140          144

```

<210> 792

<211> 242

<212> Amino acid

<213> Homo sapiens

<400> 792

```

Pro Gly Arg Pro Thr Arg Pro Asp Ala Ser Leu Ala Gln Asp Pro Arg
1           5           10           15
Thr Thr Met Phe Arg Ile Pro Glu Phe Lys Trp Ser Pro Met His Gln
          20           25           30
Arg Leu Leu Thr Asp Leu Leu Phe Ala Leu Glu Thr Asp Val His Val
          35           40           45
Trp Arg Ser His Ser Thr Lys Ser Val Met Asp Phe Val Asn Ser Asn
          50           55           60
Glu Asn Ile Ile Phe Val His Asn Thr Ile His Leu Ile Ser Gln Met
          65           70           75           80
Val Asp Asn Ile Ile Ala Cys Gly Gly Ile Leu Pro Leu Leu Ser
          85           90           95
Ala Ala Thr Ser Pro Thr Gly Ser Lys Thr Glu Leu Glu Asn Ile Glu
          100          105          110
Val Thr Gln Gly Met Ser Ala Glu Thr Ala Val Thr Phe Leu Ser Arg
          115          120          125
Leu Met Ala Met Val Asp Val Leu Val Phe Ala Ser Ser Leu Asn Phe
          130          135          140
Ser Glu Ile Glu Ala Glu Lys Asn Met Ser Ser Gly Gly Leu Met Arg
          145          150          155          160
Gln Cys Leu Lys Leu Val Cys Cys Val Ala Val Arg Asn Cys Leu Glu
          165          170          175
Cys Arg Gln Arg Gln Arg Asp Arg Gly Asn Lys Ser Ser His Gly Ser
          180          185          190
Ser Lys Pro Gln Glu Val Pro Gln Ser Val Thr Ala Thr Ala Ala Ser
          195          200          205
Lys Thr Pro Leu Glu Asn Val Pro Gly Asn Leu Ser Pro Ile Lys Asp
          210          215          220
Pro Asp Arg Leu Leu Gln Asp Val Asp Ile Asn Arg Leu Arg Ala Val
          225          230          235          240
Val Phe

```

242

<210> 793
 <211> 412
 <212> Amino acid
 <213> Homo sapiens

<400> 793
 Asn Ser Ser Gly Val Lys Leu Leu Gln Ala Leu Gly Leu Ser Pro Gly
 1 5 10 15
 Asn Gly Lys Asp His Ser Ile Leu His Ser Arg Asn Asp Leu Glu Glu
 20 25 30
 Ala Phe Ile His Phe Met Gly Lys Gly Ala Ala Ala Glu Arg Phe Phe
 35 40 45
 Ser Asp Lys Glu Thr Phe His Asp Ile Ala Gln Val Ala Ser Glu Phe
 50 55 60
 Pro Gly Ala Gln His Tyr Val Gly Gly Asn Ala Ala Leu Ile Gly Gln
 65 70 75 80
 Lys Phe Ala Ala Asn Ser Asp Leu Lys Val Leu Leu Cys Gly Pro Val
 85 90 95
 Gly Pro Lys Leu His Glu Leu Leu Asp Asp Asn Val Phe Val Pro Pro
 100 105 110
 Glu Ser Leu Gln Glu Val Asp Glu Phe His Leu Ile Leu Glu Tyr Gln
 115 120 125
 Ala Gly Glu Glu Trp Gly Gln Leu Lys Ala Pro His Ala Asn Arg Phe
 130 135 140
 Ile Phe Ser His Asp Leu Ser Asn Gly Ala Met Asn Met Leu Glu Val
 145 150 155 160
 Phe Val Ser Ser Leu Glu Glu Phe Gln Pro Asp Leu Gly Gly Leu Ser
 165 170 175
 Gly Leu His Met Met Glu Gly Gln Ser Lys Glu Leu Gln Arg Lys Arg
 180 185 190
 Leu Leu Glu Val Val Thr Ser Ile Ser Asp Ile Pro Thr Gly Ile Pro
 195 200 205
 Val His Leu Glu Leu Gly Ser Met Thr Asn Arg Glu Leu Met Ser Ser
 210 215 220
 Ile Val Leu Gln Gln Val Phe Pro Ala Val Thr Ser Leu Gly Leu Asn
 225 230 235 240
 Glu Gln Glu Leu Leu Phe Leu Thr Gln Ser Ala Ser Gly Pro His Ser
 245 250 255
 Ser Leu Ser Ser Trp Asn Gly Val Pro Asp Val Gly Met Val Ser Asp
 260 265 270
 Ile Leu Phe Trp Ile Leu Lys Glu His Gly Arg Ser Lys Ser Arg Ala
 275 280 285
 Ser Asp Leu Thr Arg Ile His Phe His Thr Leu Val Tyr His Ile Leu
 290 295 300
 Ala Thr Val Asp Gly His Trp Ala Asn Gln Leu Ala Ala Val Ala Ala
 305 310 315 320
 Gly Ala Arg Val Ala Gly Thr Gln Ala Cys Ala Thr Glu Thr Ile Asp
 325 330 335
 Thr Ser Arg Val Ser Leu Arg Ala Pro Gln Glu Phe Met Thr Ser His
 340 345 350
 Ser Glu Ala Gly Ser Arg Ile Val Leu Asn Pro Asn Lys Pro Val Val
 355 360 365
 Glu Trp His Arg Glu Gly Ile Ser Phe His Phe Thr Pro Val Leu Val
 370 375 380
 Cys Lys Asp Pro Ile Arg Thr Val Gly Leu Gly Asp Ala Ile Ser Ala
 385 390 395 400
 Glu Gly Leu Phe Tyr Ser Glu Val His Pro His Tyr

405

410

412

<210> 794
 <211> 83
 <212> Amino acid
 <213> Homo sapiens

<400> 794
 Asp Asp Ser Ser Gly Trp Gly Leu Glu Gln Leu Val Val Arg Trp Ser
 1 5 10 15
 Leu Ala Leu Trp Pro Arg Leu Glu Cys Ser Gly Met Ile Ser Ala His
 20 25 30
 Cys Asn Leu Cys Leu Leu Gly Ser Ser Asp Ser Pro Ala Ser Ala Pro
 35 40 45
 Arg Val Ala Gly Ile Thr Asp Val Cys His His Ala Trp Leu Val Phe
 50 55 60
 Val Phe Leu Val Val Met Gly Phe Pro His Val Gly His Val Gly Leu
 65 70 75 80
 Glu Leu Leu
 83

<210> 795
 <211> 391
 <212> Amino acid
 <213> Homo sapiens

<400> 795
 Leu Gly Glu Val Leu Lys Cys Gln Gln Gly Val Ser Ser Leu Ala Phe
 1 5 10 15
 Ala Leu Ala Phe Leu Gln Arg Met Asp Met Lys Pro Leu Val Val Leu
 20 25 30
 Gly Leu Pro Ala Pro Thr Ala Pro Ser Gly Cys Leu Ser Phe Trp Glu
 35 40 45
 Ala Lys Ala Gln Leu Ala Lys Ser Cys Lys Val Leu Val Asp Ala Leu
 50 55 60
 Arg His Asn Ala Ala Ala Val Pro Phe Phe Gly Gly Gly Ser Val
 65 70 75 80
 Leu Arg Ala Ala Glu Pro Ala Pro His Ala Ser Tyr Gly Gly Ile Val
 85 90 95
 Ser Val Glu Thr Asp Leu Leu Gln Trp Cys Leu Glu Ser Gly Ser Ile
 100 105 110
 Pro Ile Leu Cys Pro Ile Gly Glu Thr Ala Ala Arg Arg Ser Val Leu
 115 120 125
 Leu Asp Ser Leu Glu Val Thr Ala Ser Leu Ala Lys Ala Leu Arg Pro
 130 135 140
 Thr Lys Ile Ile Phe Leu Asn Asn Thr Gly Gly Leu Arg Asp Ser Ser
 145 150 155 160
 His Lys Val Leu Ser Asn Val Asn Leu Pro Ala Asp Leu Asp Leu Val
 165 170 175
 Cys Asn Ala Glu Trp Val Ser Thr Lys Glu Arg Gln Gln Met Arg Leu
 180 185 190
 Ile Val Asp Val Leu Ser Arg Leu Pro His His Ser Ser Ala Val Ile
 195 200 205
 Thr Ala Ala Ser Thr Leu Leu Thr Glu Leu Phe Ser Asn Lys Gly Ser

```

      210              215              220
Gly Thr Leu Phe Lys Asn Ala Glu Arg Met Leu Arg Val Arg Ser Leu
225              230              235              240
Asp Lys Leu Asp Gln Gly Arg Leu Val Asp Leu Val Asn Ala Ser Phe
      245              250              255
Gly Lys Lys Leu Arg Asp Asp Tyr Leu Ala Ser Leu Arg Pro Arg Leu
      260              265              270
His Ser Ile Tyr Val Ser Glu Gly Tyr Asn Ala Ala Ala Ile Leu Thr
      275              280              285
Met Glu Pro Val Leu Gly Gly Thr Pro Tyr Leu Asp Lys Phe Val Val
      290              295              300
Ser Ser Ser Arg Gln Gly Gln Gly Ser Gly Gln Met Leu Trp Glu Cys
305              310              315              320
Leu Arg Arg Asp Leu Gln Thr Leu Phe Trp Arg Ser Arg Val Thr Asn
      325              330              335
Pro Ile Asn Pro Trp Tyr Phe Lys His Ser Asp Gly Ser Phe Ser Asn
      340              345              350
Lys Gln Trp Ile Phe Phe Trp Phe Gly Leu Ala Asp Ile Arg Asp Ser
      355              360              365
Tyr Glu Leu Val Asn His Ala Lys Gly Leu Pro Asp Ser Phe His Lys
      370              375              380
Pro Ala Ser Asp Pro Gly Ser
385              390 391

```

```

<210> 796
<211> 127
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(127)
<223> X = any amino acid or stop code

```

```

<400> 796
Tyr His Ala Pro Ala Leu Gln Pro Gly Gln Gln Ser Lys Thr Leu Ser
1              5              10              15
Gln Glu Lys Lys Asn Phe Phe Arg Pro Gly Ala Val Ala His Thr Cys
      20              25              30
Asn Pro Ser Thr Leu Gly Gly Arg Gly Arg Ile Thr Arg Ser Gly
      35              40              45
Asp Arg Asp His Pro Gly Xaa His Gly Glu Thr Pro Ser Leu Leu Lys
      50              55              60
Ile Gln Lys Lys Leu Ala Gly Arg Asp Gly Gly Arg Leu Xaa Ser Gln
      65              70              75              80
Leu Leu Gly Arg Leu Arg Gln Glu Asn Gly Val Asn Pro Gly Gly Gly
      85              90              95
Gly Cys Ser Glu Pro Arg Leu Arg His Cys Thr Pro Ala Trp Xaa Gln
      100              105              110
Ser Glu Thr Ile Ser Arg Lys Lys Arg Lys Lys Glu Arg Lys Tyr
      115              120              125              127

```

```

<210> 797
<211> 159
<212>Amino acid
<213> Homo sapiens

```

<400> 797

```

Phe Arg Pro Ile Gly Ile Ile Arg Gln Ala Leu Cys Ser Ala Asp Gly
 1           5           10           15
His Gln Arg Arg Ile Leu Thr Leu Arg Leu Gly Leu Val Ile Pro
          20           25           30
Phe Leu Pro Ala Ser Asn Leu Phe Phe Arg Val Gly Phe Val Val Pro
          35           40           45
Ser Val Gly.Cys Cys Val Met Leu Leu Phe Gly Phe Gly Ala Leu Arg
          50           55           60
Lys His Thr Glu Lys Lys Lys Leu Ile Ala Ala Val Val Leu Gly Ile
          65           70           75           80
Leu Leu Ser Asn Asp Ala Glu Arg Leu Arg Cys Ala Val Arg Gly Gly
          85           90           95
Glu Trp Arg Ser Glu Glu Ala Val Phe Arg Gly Ala Val Ser Val Cys
          100          105          110
Pro Leu Ser Ala Glu Val Arg Cys Asn Ile Gly Arg Asn Leu Ala Ala
          115          120          125
Lys Gly Asn Gln Thr Gly Ala Ile Arg Tyr His Arg Glu Ala Val Ser
          130          135          140
Leu Asn Pro Lys Thr Lys Ser Ser Thr Arg Glu Phe Arg Pro Cys
          145          150          155          159

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<210> 798

<211> 236

<212>Amino acid

<213> Homo sapiens

<400> 798

```

Lys Ile Ala Asp Phe Gly Phe Ser Asn Leu Phe Thr Pro Gly Gln Leu
 1           5           10           15
Leu Lys Thr Trp Cys Gly Ser Pro Pro Tyr Ala Ala Pro Glu Leu Phe
          20           25           30
Glu Gly Lys Glu Tyr Asp Gly Pro Lys Val Asp Ile Trp Ser Leu Gly
          35           40           45
Val Val Leu Tyr Val Leu Val Cys Gly Ala Leu Pro Phe Asp Gly Ser
          50           55           60
Thr Leu Gln Asn Leu Arg Ala Arg Val Leu Ser Gly Lys Phe Arg Ile
          65           70           75           80
Pro Phe Phe Met Ser Thr Glu Cys Glu His Leu Ile Arg His Met Leu
          85           90           95
Val Leu Asp Pro Asn Lys Arg Leu Ser Met Glu Gln Ile Cys Lys His
          100          105          110
Lys Trp Met Lys Leu Gly Asp Ala Asp Pro Asn Phe Asp Arg Leu Ile
          115          120          125
Ala Glu Cys Gln Gln Leu Lys Glu Glu Arg Gln Val Asp Pro Leu Asn
          130          135          140
Glu Asp Val Leu Leu Ala Met Glu Asp Met Gly Leu Asp Lys Glu Gln
          145          150          155          160
Thr Leu Gln Ser Leu Arg Ser Asp Ala Tyr Asp His Tyr Ser Ala Ile
          165          170          175
Tyr Ser Leu Leu Cys Asp Arg His Lys Arg His Lys Thr Leu Arg Leu
          180          185          190
Gly Ala Leu Pro Ser Met Pro Arg Ala Leu Gly Leu Ser Ser Thr Ser
          195          200          205
Gln Tyr Pro Ala Glu Gln Ala Gly Thr Ala Met Asn Ile Ser Val Pro
          210          215          220

```

Gln Val Gln Leu Ile Asn Pro Glu Asn Gln Ile Val
 225 230 235 236

<210> 799
 <211> 114
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(114)
 <223> X = any amino acid or stop code

<400> 799
 Ala Arg Glu Phe Leu Gly His Arg Ala Ser Ile Thr Trp Ser Xaa Ala
 1 5 10 15
 Arg Val His His Arg Phe Pro Lys Ala Glu Val Ala Xaa Pro Ser Leu
 20 25 30
 Leu Arg Thr Asp Leu Thr Glu Asp Arg Thr Lys Cys Cys His Gly Asp
 35 40 45
 Leu Leu Glu Cys Ala Asp Asp Arg Ala Asp Leu Val Glu Asp Ile Trp
 50 55 60
 Glu Asn Gln Asp Ser Ile Ser Thr Ile Leu Ile Glu Cys Cys Glu Lys
 65 70 75 80
 Pro Leu Leu Glu Lys Ser His Cys Ile Ala Glu Val Glu Asn Asp Glu
 85 90 95
 Met Pro Ala Asp Leu Pro Ser Leu Ala Ala Asp Phe Val Glu Ser Lys
 100 105 110
 Asp Val
 114

<210> 800
 <211> 328
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(328)
 <223> X = any amino acid or stop code

<400> 800
 Val Pro Pro Lys Met Lys Arg Gly Thr Ser Leu His Ser Arg Arg Gly
 1 5 10 15
 Lys Pro Glu Ala Pro Lys Gly Ser Pro Gln Ile Asn Arg Lys Ser Gly
 20 25 30
 Gln Glu Met Thr Ala Val Met Gln Ser Gly Arg Pro Arg Ser Ser Ser
 35 40 45
 Thr Thr Asp Ala Pro Thr Gly Ser Ala Met Met Glu Ile Ala Cys Ala
 50 55 60
 Ala Ala Ala Ala Ala Ala Cys Leu Pro Gly Glu Glu Gly Thr Ala
 65 70 75 80
 Glu Arg Ile Glu Arg Leu Glu Val Ser Ser Leu Ala Gln Thr Ser Ser
 85 90 95

Ala Val Ala Ser Ser Thr Asp Gly Ser Ile His Thr Asp Ser Val Asp
 100 105 110
 Gly Thr Pro Asp Pro Gln Arg Thr Lys Ala Ala Ile Ala His Leu Gln
 115 120 125
 Gln Lys Ile Leu Lys Leu Thr Glu Gln Ile Lys Ile Ala Gln Thr Ala
 130 135 140
 Arg Arg Asn Arg Arg Pro Gly Ser Xaa Lys Asp Cys Thr Pro Xaa Lys
 145 150 155 160
 Cys Leu Arg Lys Ser Asp Glu Ala Leu Asn Arg Val Leu Gln Gln Ile
 165 170 175
 Arg Val Pro Pro Lys Met Lys Arg Gly Thr Ser Leu His Ser Arg Arg
 180 185 190
 Gly Lys Pro Glu Ala Pro Lys Gly Ser Pro Gln Ile Asn Arg Lys Ser
 195 200 205
 Gly Gln Glu Met Thr Ala Val Met Gln Ser Gly Arg Pro Arg Ser Ser
 210 215 220
 Ser Thr Thr Asp Ala Pro Thr Gly Ser Ala Met Met Glu Ile Ala Cys
 225 230 235 240
 Ala Ala Ala Ala Ala Ala Ala Cys Leu Pro Gly Glu Glu Gly Thr
 245 250 255
 Ala Glu Arg Ile Glu Arg Leu Glu Val Ser Ser Leu Ala Gln Thr Ser
 260 265 270
 Ser Ala Val Ala Ser Ser Thr Asp Gly Ser Ile His Thr Asp Ser Val
 275 280 285
 Asp Gly Thr Pro Asp Pro Gln Arg Thr Lys Ala Ala Ile Ala His Leu
 290 295 300
 Gln Gln Lys Ile Leu Lys Leu Thr Glu Gln Ile Lys Ile Ala Gln Thr
 305 310 315 320
 Ala Arg Arg Asn Arg Arg Pro Gly
 325 328

<210> 801
 <211> 356
 <212> Amino acid
 <213> Homo sapiens

<400> 801
 Met Gln Thr Ile Glu Arg Leu Val Lys Glu Arg Asp Asp Leu Met Ser
 1 5 10 15
 Ala Leu Val Ser Val Arg Ser Ser Leu Ala Asp Thr Gln Gln Arg Glu
 20 25 30
 Ala Ser Ala Tyr Glu Gln Val Lys Gln Val Leu Gln Ile Ser Glu Glu
 35 40 45
 Ala Asn Phe Glu Lys Thr Lys Ala Leu Ile Gln Cys Asp Gln Leu Arg
 50 55 60
 Lys Glu Leu Glu Arg Gln Ala Glu Arg Leu Glu Lys Glu Leu Ala Ser
 65 70 75 80
 Gln Gln Glu Lys Arg Ala Ile Glu Lys Asp Met Met Lys Lys Glu Ile
 85 90 95
 Thr Lys Glu Arg Glu Tyr Met Gly Ser Lys Met Leu Ile Leu Ser Gln
 100 105 110
 Asn Ile Ala Gln Leu Glu Ala Gln Val Glu Lys Val Thr Lys Glu Lys
 115 120 125
 Ile Ser Ala Ile Asn Gln Leu Glu Glu Ile Gln Ser Gln Leu Ala Ser
 130 135 140
 Arg Glu Met Asp Val Thr Lys Val Cys Gly Glu Met Arg Tyr Gln Leu
 145 150 155 160
 Asn Lys Thr Asn Met Glu Lys Asp Glu Ala Glu Lys Glu His Arg Glu
 165 170 175

Phe Arg Ala Lys Thr Asn Arg Asp Leu Glu Ile Lys Asp Gln Glu Ile
 180 185 190
 Glu Lys Leu Arg Ile Glu Leu Asp Glu Ser Lys Gln His Leu Glu Gln
 195 200 205
 Glu Gln Gln Lys Ala Ala Leu Ala Arg Glu Glu Cys Leu Arg Leu Thr
 210 215 220
 Glu Leu Leu Gly Glu Ser Glu His Gln Leu His Leu Thr Arg Gln Glu
 225 230 235 240
 Lys Asp Ser Ile Gln Gln Ser Phe Ser Lys Glu Ala Lys Ala Gln Ala
 245 250 255
 Leu Gln Ala Gln Gln Arg Glu Gln Glu Leu Thr Gln Lys Ile Gln Gln
 260 265 270
 Met Glu Ala Gln His Asp Lys Thr Glu Asn Glu Gln Tyr Leu Leu Leu
 275 280 285
 Thr Ser Gln Asn Thr Phe Leu Thr Lys Leu Lys Glu Glu Cys Cys Thr
 290 295 300
 Leu Ala Lys Lys Leu Glu Gln Ile Ser Gln Lys Thr Arg Ser Glu Ile
 305 310 315 320
 Ala Gln Leu Ser Gln Glu Lys Arg Tyr Thr Tyr Asp Lys Leu Gly Lys
 325 330 335
 Leu Gln Arg Arg Asn Glu Glu Leu Glu Glu Gln Cys Val Gln His Gly
 340 345 350
 Arg Ser Thr *
 355

<210> 802
 <211> 210
 <212> Amino acid
 <213> Homo sapiens

<400> 802
 Ser Tyr Pro Val Trp Trp Asn Ser Pro Leu Thr Ala Glu Val Pro Pro
 1 5 10 15
 Glu Leu Leu Ala Ala Ala Gly Phe Phe His Thr Gly His Gln Asp Lys
 20 25 30
 Val Arg Cys Phe Phe Cys Tyr Gly Gly Leu Gln Ser Trp Lys Arg Gly
 35 40 45
 Asp Asp Pro Trp Thr Glu His Ala Lys Trp Phe Pro Ser Cys Gln Phe
 50 55 60
 Leu Leu Arg Ser Lys Gly Arg Asp Phe Val His Ser Val Gln Glu Thr
 65 70 75 80
 His Ser Gln Leu Leu Gly Ser Trp Asp Pro Trp Glu Glu Pro Glu Asp
 85 90 95
 Ala Ala Pro Val Ala Pro Ser Val Pro Ala Ser Gly Tyr Pro Glu Leu
 100 105 110
 Pro Thr Pro Arg Arg Glu Val Gln Ser Glu Ser Ala Gln Glu Pro Gly
 115 120 125
 Gly Val Ser Pro Ala Glu Ala Gln Arg Ala Trp Trp Val Leu Glu Pro
 130 135 140
 Pro Gly Ala Arg Asp Val Glu Ala Gln Leu Arg Arg Leu Gln Glu Glu
 145 150 155 160
 Arg Thr Cys Lys Val Cys Leu Asp Arg Ala Val Ser Ile Val Phe Val
 165 170 175
 Pro Cys Gly His Leu Val Cys Ala Glu Cys Ala Pro Gly Leu Gln Leu
 180 185 190
 Cys Pro Ile Cys Arg Ser Pro Cys Gly Pro Leu Arg Pro Cys Leu Trp
 195 200 205
 Val Pro
 210

<210> 803
 <211> 130
 <212> Amino acid
 <213> Homo sapiens

<400> 803
 Met Cys Ser Tyr Arg Glu Lys Lys Ala Glu Pro Gln Glu Leu Leu Gln
 1 5 10 15
 Leu Asp Gly Tyr Thr Val Asp Tyr Thr Asp Pro Gln Pro Gly Leu Glu
 20 25 30
 Gly Gly Arg Ala Phe Phe Asn Ala Val Lys Glu Gly Asp Thr Val Ile
 35 40 45
 Phe Ala Ser Asp Asp Glu Gln Asp Arg Ile Leu Trp Val Gln Ala Met
 50 55 60
 Tyr Arg Ala Thr Gly Gln Ser His Lys Pro Val Pro Pro Thr Gln Val
 65 70 75 80
 Gln Lys Leu Asn Ala Lys Gly Gly Asn Val Pro Gln Leu Asp Ala Pro
 85 90 95
 Ile Ser Gln Phe Tyr Ala Asp Arg Ala Gln Lys His Gly Met Asp Glu
 100 105 110
 Phe Ile Ser Ser Asn Pro Cys Asn Phe Asp His Ala Ser Leu Phe Glu
 115 120 125
 Met *
 129

<210> 804
 <211> 458
 <212> Amino acid
 <213> Homo sapiens

<400> 804
 Lys Gln Leu Ile Val Leu Gly Asn Lys Val Asp Leu Leu Pro Gln Asp
 1 5 10 15
 Ala Pro Gly Tyr Arg Gln Arg Leu Arg Glu Arg Leu Trp Glu Asp Cys
 20 25 30
 Ala Arg Ala Gly Leu Leu Leu Ala Pro Gly His Gln Gly Pro Gln Arg
 35 40 45
 Pro Val Lys Asp Glu Pro Gln Asp Gly Glu Asn Pro Asn Pro Pro Asn
 50 55 60
 Trp Ser Arg Thr Val Val Arg Asp Val Arg Leu Ile Ser Ala Lys Thr
 65 70 75 80
 Gly Tyr Gly Val Glu Glu Leu Ile Ser Ala Leu Gln Arg Ser Trp Arg
 85 90 95
 Tyr Arg Gly Asp Val Tyr Leu Val Gly Ala Thr Asn Ala Gly Lys Ser
 100 105 110
 Thr Leu Phe Asn Thr Leu Leu Glu Ser Asp Tyr Cys Thr Ala Lys Gly
 115 120 125
 Ser Glu Ala Ile Asp Arg Ala Thr Ile Ser Pro Trp Pro Gly Thr Thr
 130 135 140
 Leu Asn Leu Leu Lys Phe Pro Ile Cys Asn Pro Thr Pro Tyr Arg Met
 145 150 155 160
 Phe Lys Arg His Gln Arg Leu Lys Lys Asp Ser Thr Gln Ala Glu Glu
 165 170 175

Asp Leu Ser Glu Gln Glu Gln Asn Gln Leu Asn Val Leu Lys Lys His
 180 185 190
 Gly Tyr Val Val Gly Arg Val Gly Arg Thr Phe Leu Tyr Ser Glu Glu
 195 200 205
 Gln Lys Asp Asn Ile Pro Phe Glu Phe Asp Ala Asp Ser Leu Ala Phe
 210 215 220
 Asp Met Glu Asn Asp Pro Val Met Gly Thr His Lys Ser Thr Lys Gln
 225 230 235 240
 Val Glu Leu Thr Ala Gln Asp Val Lys Asp Ala His Trp Phe Tyr Asp
 245 250 255
 Thr Pro Gly Ile Thr Lys Glu Asn Cys Ile Leu Asn Leu Leu Thr Glu
 260 265 270
 Lys Glu Val Asn Ile Val Leu Pro Thr Gln Ser Ile Val Pro Arg Thr
 275 280 285
 Phe Val Leu Lys Pro Gly Met Val Leu Phe Leu Gly Ala Ile Gly Arg
 290 295 300
 Ile Asp Phe Leu Gln Gly Asn Gln Ser Ala Trp Phe Thr Val Val Ala
 305 310 315 320
 Ser Asn Ile Leu Pro Val His Ile Thr Ser Leu Asp Arg Ala Asp Ala
 325 330 335
 Leu Tyr Gln Lys His Ala Gly His Thr Leu Leu Gln Ile Pro Met Gly
 340 345 350
 Gly Lys Glu Arg Met Ala Gly Phe Pro Pro Leu Val Ala Glu Asp Ile
 355 360 365
 Met Leu Lys Glu Gly Leu Gly Ala Ser Glu Ala Val Ala Asp Ile Lys
 370 375 380
 Phe Ser Ser Ala Gly Trp Val Ser Val Thr Pro Asn Phe Lys Asp Arg
 385 390 395 400
 Leu His Leu Arg Gly Tyr Thr Pro Glu Gly Thr Val Leu Thr Val Arg
 405 410 415
 Pro Pro Leu Leu Pro Tyr Ile Val Asn Ile Lys Gly Gln Arg Ile Lys
 420 425 430
 Lys Ser Val Ala Tyr Lys Thr Lys Lys Pro Pro Ser Leu Met Tyr Asn
 435 440 445
 Val Arg Lys Lys Lys Gly Lys Ile Asn Val
 450 455 458

<210> 805
 <211> 290
 <212> Amino acid
 <213> Homo sapiens

<400> 805
 Ser Thr Val Ala Ser Met Met His Arg Gln Glu Thr Val Glu Cys Leu
 1 5 10 15
 Arg Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu Thr Thr
 20 25 30
 Met Leu Val Ser Arg Asn Phe Ser Ala Ala Lys Ser Leu Leu Asn Lys
 35 40 45
 Lys Ser Asp Gly Gly Val Lys Pro Gln Ser Asn Asn Lys Asn Ser Leu
 50 55 60
 Val Ser Pro Ala Gln Glu Pro Ala Pro Leu Gln Thr Ala Met Glu Pro
 65 70 75 80
 Gln Thr Thr Val Val His Asn Ala Thr Asp Gly Ile Lys Gly Ser Thr
 85 90 95
 Glu Ser Cys Asn Thr Thr Thr Glu Asp Glu Asp Leu Lys Ala Ala Pro
 100 105 110
 Leu Arg Thr Gly Asn Gly Ser Ser Val Pro Glu Gly Arg Ser Ser Arg
 115 120 125

Asp Arg Thr Ala Pro Ser Ala Gly Met Gln Pro Gln Pro Ser Leu Cys
 130 135 140
 Ser Ser Ala Met Arg Lys Gln Glu Ile Ile Lys Ile Thr Glu Gln Leu
 145 150 155 160
 Ile Glu Ala Ile Asn Asn Gly Asp Phe Glu Ala Tyr Thr Lys Ile Cys
 165 170 175
 Asp Pro Gly Leu Thr Ser Phe Glu Ala Leu Gly Asn Leu Val
 180 185 190
 Glu Gly Met Asp Phe His Lys Phe Tyr Phe Glu Asn Leu Ser Lys
 195 200 205
 Asn Ser Lys Pro Ile His Thr Thr Ile Leu Asn Pro His Val His Val
 210 215 220
 Ile Gly Glu Asp Ala Ala Cys Ile Ala Tyr Ile Arg Leu Thr Gln Tyr
 225 230 235 240
 Ile Asp Gly Gln Gly Arg Pro Ser Asn Pro Ala Lys Ser Glu Glu Thr
 245 250 255
 Arg Val Trp His Arg Arg Asp Gly Lys Trp Leu Asn Val His Tyr His
 260 265 270
 Cys Ser Gly Ala Pro Cys Pro His Arg Cys Ser Glu Leu Ser His Arg
 275 280 285
 Gly Phe
 290

<210> 806
 <211> 570
 <212> Amino acid
 <213> Homo sapiens

<400> 806
 Leu Pro Lys Asn Val Val Phe Val Leu Asp Ser Ser Ala Ser Met Val
 1 5 10 15
 Gly Thr Lys Leu Arg Gln Thr Lys Asp Ala Leu Phe Thr Ile Leu His
 20 25 30
 Asp Leu Arg Pro Gln Asp Arg Phe Ser Ile Ile Gly Phe Ser Asn Arg
 35 40 45
 Ile Lys Val Trp Lys Asp His Leu Ile Ser Val Thr Pro Asp Ser Ile
 50 55 60
 Arg Asp Gly Lys Val Tyr Ile His His Met Ser Pro Thr Gly Gly Thr
 65 70 75 80
 Asp Ile Asn Gly Ala Leu Gln Arg Ala Ile Arg Leu Leu Asn Lys Tyr
 85 90 95
 Val Ala His Ser Gly Ile Gly Asp Arg Val Ser Leu Ile Val Phe
 100 105 110
 Leu Thr Asp Gly Lys Pro Thr Val Gly Glu Thr His Thr Leu Lys Ile
 115 120 125
 Leu Asn Asn Thr Arg Glu Ala Ala Arg Gly Gln Val Cys Ile Phe Thr
 130 135 140
 Ile Gly Ile Gly Asn Asp Val Asp Phe Arg Leu Leu Glu Lys Leu Ser
 145 150 155 160
 Leu Glu Asn Cys Gly Leu Thr Arg Arg Val His Glu Glu Glu Asp Ala
 165 170 175
 Gly Ser Gln Leu Ile Gly Phe Tyr Asp Glu Ile Arg Thr Pro Leu Leu
 180 185 190
 Ser Asp Ile Arg Ile Asp Tyr Pro Pro Ser Ser Val Val Gln Ala Thr
 195 200 205
 Lys Thr Leu Phe Pro Asn Tyr Phe Asn Gly Ser Glu Ile Ile Ala
 210 215 220
 Gly Lys Leu Val Asp Arg Lys Leu Asp His Leu His Val Glu Val Thr
 225 230 235 240

Ala Ser Asn Ser Lys Lys Phe Ile Ile Leu Lys Thr Asp Val Pro Val
 245 250 255
 Arg Pro Gln Lys Ala Gly Lys Asp Val Thr Gly Ser Pro Arg Pro Gly
 260 265 270
 Gly Asp Gly Glu Gly Asp Thr Asn His Ile Glu Arg Leu Trp Ser Tyr
 275 280 285
 Leu Thr Thr Lys Glu Leu Leu Ser Ser Trp Leu Gln Ser Asp Asp Glu
 290 295 300
 Pro Glu Lys Glu Arg Leu Arg Gln Arg Ala Gln Ala Leu Ala Val Ser
 305 310 315 320
 Tyr Arg Phe Leu Thr Pro Phe Thr Ser Met Lys Leu Arg Gly Pro Val
 325 330 335
 Pro Arg Met Asp Gly Leu Glu Glu Ala His Gly Met Ser Ala Ala Met
 340 345 350
 Gly Pro Glu Pro Val Val Gln Ser Val Arg Gly Ala Gly Thr Gln Pro
 355 360 365
 Gly Pro Leu Leu Lys Lys Pro Tyr Gln Pro Arg Ile Lys Ile Ser Lys
 370 375 380
 Thr Ser Val Asp Gly Asp Pro His Phe Val Val Asp Phe Pro Leu Ser
 385 390 395 400
 Arg Leu Thr Val Cys Phe Asn Ile Asp Gly Gln Pro Gly Asp Ile Leu
 405 410 415
 Arg Leu Val Ser Asp His Arg Asp Ser Gly Val Thr Val Asn Gly Glu
 420 425 430
 Leu Ile Gly Ala Pro Ala Pro Pro Asn Gly His Lys Lys Gln Arg Thr
 435 440 445
 Tyr Leu Arg Thr Ile Thr Ile Leu Ile Asn Lys Pro Glu Arg Ser Tyr
 450 455 460
 Leu Glu Ile Thr Pro Ser Arg Val Ile Leu Asp Gly Gly Asp Arg Leu
 465 470 475 480
 Val Leu Pro Cys Asn Gln Ser Val Val Val Gly Ser Trp Gly Leu Glu
 485 490 495
 Val Ser Val Ser Ala Asn Ala Asn Val Thr Val Thr Ile Gln Gly Ser
 500 505 510
 Ile Ala Phe Val Ile Leu Ile His Leu Tyr Lys Lys Pro Ala Pro Phe
 515 520 525
 Gln Arg His His Leu Gly Phe Tyr Ile Ala Asn Ser Glu Gly Leu Ser
 530 535 540
 Ser Asn Cys Arg Val Phe Cys Glu Ser Gly Ile Leu Ile Gln Glu Leu
 545 550 555 560
 Thr Gln Gln Ser Val Ala Val Ala Gly Arg
 565 570

<210> 807
 <211> 279
 <212> Amino acid
 <213> Homo sapiens

<400> 807
 Phe Phe Leu Glu Gln Val Ser Gln Tyr Thr Phe Ala Met Cys Ser Tyr
 1 5 10 15
 Arg Glu Lys Lys Ser Glu Pro Gln Glu Leu Met Gln Leu Glu Gly Tyr
 20 25 30
 Thr Val Asp Tyr Thr Asp Pro His Pro Gly Leu Gln Gly Gly Cys Met
 35 40 45
 Phe Phe Asn Ala Val Lys Glu Gly Asp Thr Val Ile Phe Ala Ser Asp
 50 55 60
 Asp Glu Gln Asp Arg Ile Leu Trp Val Gln Ala Met Tyr Arg Ala Thr
 65 70 75 80

```

Gly Gln Ser Tyr Lys Pro Val Pro Ala Ile Gln Thr Gln Lys Leu Asn
      85                      90                      95
Pro Lys Gly Gly Thr Leu His Ala Asp Ala Gln Leu Tyr Ala Asp Arg
      100                      105                      110
Phe Gln Lys His Gly Met Asp Glu Phe Ile Ser Ala Asn Pro Cys Lys
      115                      120                      125
Leu Asp His Ala Phe Leu Phe Arg Ile Leu Gln Arg Gln Thr Leu Asp
      130                      135                      140
His Arg Leu Asn Asp Ser Tyr Ser Cys Leu Gly Trp Phe Ser Pro Gly
      145                      150                      155                      160
Gln Val Phe Val Leu Asp Glu Tyr Cys Ala Arg Tyr Gly Val Arg Gly
      165                      170                      175
Cys His Arg His Leu Cys Tyr Leu Ala Glu Leu Met Glu His Ser Glu
      180                      185                      190
Asn Gly Ala Val Ile Asp Pro Thr Leu Leu His Tyr Ser Phe Ala Phe
      195                      200                      205
Cys Ala Ser His Val His Gly Asn Arg Pro Asp Gly Ile Gly Thr Val
      210                      215                      220
Ser Val Glu Glu Lys Glu Arg Phe Glu Glu Ile Lys Glu Arg Leu Ser
      225                      230                      235                      240
Ser Leu Leu Glu Asn Gln Ile Ser His Phe Arg Tyr Cys Phe Pro Phe
      245                      250                      255
Gly Arg Pro Glu Gly Ala Leu Lys Ala Thr Leu Ser Leu Leu Glu Arg
      260                      265                      270
Val Leu Met Lys Asp Ile Ala
      275                      279

```

<210> 808

<211> 251

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(251)

<223> X = any amino acid or stop code

<400> 808

```

Asp Gly Leu Leu His Glu Val Leu Asn Gly Leu Leu Asp Arg Pro Asp
  1                      5                      10                      15
Trp Glu Glu Ala Val Lys Met Pro Val Gly Ile Leu Pro Cys Gly Ser
      20                      25                      30
Gly Asn Ala Leu Ala Gly Ala Val Asn Gln His Gly Gly Phe Glu Pro
      35                      40                      45
Ala Leu Gly Leu Asp Leu Leu Leu Asn Cys Ser Leu Leu Leu Cys Arg
      50                      55                      60
Gly Gly Gly His Pro Leu Asp Leu Leu Ser Val Thr Leu Ala Ser Gly
      65                      70                      75                      80
Ser Arg Cys Phe Ser Phe Leu Ser Val Ala Trp Gly Phe Val Ser Asp
      85                      90                      95
Val Asp Ile Gln Ser Glu Arg Phe Arg Ala Leu Gly Ser Ala Arg Phe
      100                      105                      110
Thr Leu Gly Thr Val Leu Gly Leu Ala Thr Leu His Thr Tyr Arg Gly
      115                      120                      125
Arg Leu Ser Tyr Leu Pro Ala Thr Val Glu Pro Ala Ser Pro Thr Pro
      130                      135                      140
Ala His Ser Leu Pro Arg Ala Lys Ser Glu Leu Thr Leu Thr Pro Asp
      145                      150                      155                      160
Pro Ala Pro Pro Met Ala His Ser Pro Leu His Arg Ser Val Ser Asp

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                165                170                175
Leu Pro Leu Pro Leu Pro Gln Pro Ala Leu Ala Ser Pro Gly Ser Pro
                180                185                190
Glu Pro Leu Pro Ile Leu Ser Leu Asn Gly Gly Gly Pro Glu Leu Ala
                195                200                205
Gly Asp Trp Gly Gly Ala Gly Asp Ala Pro Leu Ser Pro Asp Pro Gln
                210                215                220
Leu Ser Ser Pro Pro Gly Ser Pro Lys Ala Ala Leu His Ser Pro Val
                225                230                235                240
Xaa Lys Lys Ala Pro Val Ile Pro Pro Asp Met
                245                250 251

```

<210> 809
 <211> 174
 <212> Amino acid
 <213> Homo sapiens

```

    <400> 809
Lys Gly Val Pro Thr Leu Leu Met Ala Ala Gly Ser Phe Tyr Asp Ile
  1                5                10                15
Leu Ala Ile Thr Gly Phe Asn Thr Cys Leu Gly Ile Ala Phe Ser Thr
                20                25                30
Gly Ser Thr Val Phe Asn Val Leu Arg Gly Val Leu Glu Val Val Ile
                35                40                45
Gly Val Ala Thr Gly Ser Val Leu Gly Phe Phe Ile Gln Tyr Phe Pro
                50                55                60
Ser Arg Asp Gln Asp Lys Leu Val Cys Lys Arg Thr Phe Leu Val Leu
                65                70                75                80
Gly Leu Ser Val Leu Ala Val Phe Ser Ser Val His Phe Gly Phe Pro
                85                90                95
Gly Ser Gly Gly Leu Cys Thr Leu Val Met Ala Phe Leu Ala Gly Met
                100                105                110
Gly Trp Thr Ser Glu Lys Ala Glu Val Glu Lys Ile Ile Ala Val Ala
                115                120                125
Trp Asp Ile Phe Gln Pro Leu Leu Phe Gly Leu Ile Gly Ala Glu Val
                130                135                140
Ser Ile Ser Ser Leu Arg Pro Glu Thr Val Gly Leu Cys Val Ala Thr
                145                150                155                160
Val Gly Ile Ala Val Leu Ile Arg Ile Phe Asp Tyr Ile Phe
                165                170                174

```

<210> 810
 <211> 104
 <212> Amino acid
 <213> Homo sapiens

```

    <400> 810
Leu Leu Lys Glu Val Val Val Gln Ala Ser Pro Val Cys Lys Thr Cys
  1                5                10                15
Cys Ser Gln Leu Val Arg Thr Pro Val Thr Phe Thr Glu Val Gln Asn
                20                25                30
Val Cys Arg Cys Ser Ala Gly Tyr Leu Ile Ser Val Cys Ser Tyr Thr
                35                40                45
Ser Ser Asp His Asn Gln Cys Tyr Ala Gly Thr Ala Ser Leu Ala Leu

```

50		55		60																
Leu	Trp	Ile	Gly	Gly	Ile	Leu	Lys	Gly	Cys	Leu	Leu	Trp	Lys	Gln	Phe					
65					70				75						80					
Arg	Trp	Thr	Glu	Arg	Ser	His	Trp	Asn	Phe	Gly	Tyr	Trp	Ala	Leu	Trp					
				85					90						95					
Ser	Pro	Gly	Asn	Gly	Asn	Gly	Cys													
			100				104													

<210> 811
 <211> 77
 <212> Amino acid
 <213> Homo sapiens

<400> 811

Ile	Cys	Thr	Ser	Thr	Tyr	Leu	Gln	Ile	Phe	Pro	Gly	Lys	Pro	Ser	Cys
1				5					10					15	
Phe	Met	Cys	Lys	Gly	Arg	Leu	Met	Cys	Ile	Tyr	Phe	Ile	Leu	Trp	Tyr
			20					25					30		
Leu	Gly	His	Tyr	Thr	Ser	Leu	His	Trp	Asn	Trp	Cys	Arg	Tyr	Ile	Ser
		35					40					45			
Asp	Pro	Asn	Val	Asp	Ala	Cys	Pro	Asp	Pro	Arg	Asn	Ala	Glu	Val	Ser
		50				55					60				
Met	Thr	His	Thr	Val	Pro	Ala	Leu	Met	Glu	Leu	Ile	Asp			
65					70				75		77				

<210> 812
 <211> 194
 <212> Amino acid
 <213> Homo sapiens

<400> 812

Leu	Glu	Ser	Leu	Pro	Gly	Phe	Lys	Glu	Ile	Val	Ser	Arg	Gly	Val	Lys
1				5					10					15	
Val	Asp	Tyr	Leu	Thr	Pro	Asp	Phe	Pro	Ser	Leu	Ser	Tyr	Pro	Asn	Tyr
			20					25					30		
Tyr	Thr	Leu	Met	Thr	Gly	Arg	His	Cys	Glu	Val	His	Gln	Met	Ile	Gly
		35					40					45			
Asn	Tyr	Met	Trp	Asp	Pro	Thr	Thr	Asn	Lys	Ser	Phe	Asp	Ile	Gly	Val
		50				55					60				
Asn	Lys	Asp	Ser	Leu	Met	Pro	Leu	Trp	Trp	Asn	Gly	Ser	Glu	Pro	Leu
65					70					75				80	
Trp	Val	Thr	Leu	Thr	Lys	Ala	Lys	Arg	Lys	Val	Tyr	Met	Tyr	Tyr	Trp
				85					90				95		
Pro	Gly	Cys	Glu	Val	Glu	Ile	Leu	Gly	Val	Arg	Pro	Thr	Tyr	Cys	Leu
			100					105					110		
Glu	Tyr	Lys	Asn	Val	Pro	Thr	Asp	Ile	Asn	Phe	Ala	Asn	Ala	Val	Ser
		115					120					125			
Asp	Ala	Leu	Asp	Ser	Phe	Lys	Ser	Gly	Arg	Ala	Asp	Leu	Ala	Ala	Ile
		130				135					140				
Tyr	His	Glu	Arg	Ile	Asp	Val	Glu	Gly	His	His	Tyr	Gly	Pro	Ala	Ser
145					150					155				160	
Pro	Gln	Arg	Lys	Asp	Ala	Leu	Lys	Ala	Val	Asp	Thr	Val	Leu	Lys	Tyr
			165						170				175		
Met	Thr	Lys	Trp	Ile	Gln	Glu	Arg	Gly	Leu	Gln	Asp	Arg	Leu	Asn	Val


```

180
190
Ile Ile
194

<210> 813
<211> 116
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(116)
<223> X = any amino acid or stop code

<400> 813
Ala Arg Asp Phe His Pro Lys Gln Thr Leu Asp Phe Leu Arg Ser Asp
1 5 10 15
Met Ala Asn Ser Lys Ile Thr Glu Glu Val Lys Arg Ser Ile Ala Gln
20 25 30
Gln Tyr Leu Asp Leu Thr Val Ala Leu Glu Gln Val Asp Pro Asp Ala
35 40 45
Glu Val Asp Ala Ala Pro Ser Thr Thr Ser Ser Cys Gly His Xaa Asp
50 55 60
Ser His Ala Gly Ser Xaa Arg Val Leu Ser Leu Gly Asp Xaa Gly
65 70 75 80
Pro Ala Xaa Thr Gly Ala Asn Ser Met Ala Gly Lys Leu Leu Val
85 90 95
Ala Trp Leu Gly Phe Pro Asp Pro Phe Trp Gly Lys Glu Leu Ser Asp
100 105 110
Pro Ala Phe Lys
115 116

<210> 814
<211> 121
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> X = any amino acid or stop code

<400> 814
Lys Gln Ser Gly Asp Val Thr Cys Asn Cys Thr Asp Gly Arg Leu Ala
1 5 10 15
Pro Ser Cys Leu Thr Cys Val Gly His Cys Ile Phe Gly Gly Tyr Cys
20 25 30
Thr Met Asn Ser Lys Met Met Pro Glu Cys Gln Ser Pro Pro His Met
35 40 45
Thr Gly Pro Arg Cys Glu Glu His Val Phe Ser Gln His Gln Pro Gly
50 55 60
His Ile Thr Ser Ile Leu Ile Pro Met Leu Xaa Leu Leu Leu Val
65 70 75 80
Leu Val Ala Gly Val Ile Phe Cys His Lys Arg Arg Val Gln Gly Ala

```

85 90 95

Lys Gly Phe Gln His Gln Arg Met Thr Asn Gly Ala Met Asn Ala Gln
100 105 110

Ile Ala Asn Pro Thr Tyr Lys Met Tyr
115 120 121

```
<210> 815
<211> 86
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(86)
<223> X = any amino acid or stop code
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[illegible]

```
<210> 816
<211> 130
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(130)
<223> X = any amino acid or stop code
```

<400> 816																			
Met	Cys	Glu	Glu	Phe	Leu	Val	Met	Gly	Lys	Gly	Cys	Ser	Cys	Val	Phe				
1				5				10						15					
Xaa	Ile	Leu	Leu	Ser	Asn	Pro	Gln	Met	Trp	Trp	Leu	Asn	Asp	Ser	Asn				
			20					25					30						
Pro	Glu	Thr	Asp	Asn	Arg	Gln	Glu	Ser	Pro	Ser	Gln	Glu	Asn	Ile	Asp				
		35					40					45							
Arg	Val	Ser	Asp	Met	Ala	Phe	Val	Pro	Ser	Ala	Trp	Thr	Ala	Ser	Gly				
	50					55						60							
Gly	Val	Ala	Trp	Gly	Asn	Leu	Gly	Glu	Ser	Gly	Ser	Arg	Thr	Gly	Gly				
65					70					75				80					
Val	Arg	Ala	Glu	Thr	Leu	Ala	Pro	Arg	Leu	Gln	Val	Xaa	Pro	Ala	His				
				85					90					95					
Leu	Arg	Gly	His	Pro	Arg	Ser	Asn	Arg	Gly	Gln	Gly	Arg	Pro	Pro	Trp				

	100		105		110
Lys	Ala	Gly	Lys	Leu	Gly
	115		120		125
Ala	Phe				
	130				

<210> 817
 <211> 119
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(119)
 <223> X = any amino acid or stop code

	<400> 817
Phe	Arg
1	5
Lys	Ser
20	25
Lys	Arg
35	40
Gln	Asn
50	55
Gln	Gln
65	70
Asn	Ser
85	90
Asn	Ile
100	105
Trp	Ser
115	119

<210> 818
 <211> 131
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(131)
 <223> X = any amino acid or stop code

	<400> 818
Gly	Phe
1	5
Ser	Ser
20	25
Ala	Glu
35	40
Ala	Arg
50	55
Pro	Pro

```

65              70              75              80
Ser Ser Pro Lys Leu Lys Gly Trp Lys Ile Asn Ser Ser Leu Val Leu
              85              90              95
Glu Ile Arg Lys Asn Ile Leu Arg Phe Leu Asp Ala Glu Arg Asp Val
              100              105              110
Ser Val Val Lys Ser Ser Phe Pro Ser Lys Asp Ala Arg His Ser Ser
              115              120              125
Val His Arg
              130 131

```

```

<210> 819
<211> 85
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(85)
<223> X = any amino acid or stop code

```

```

<400> 819
Arg Ile Asp Asp Gln Gln Glu Leu Lys Arg Val Thr Xaa Tyr Ser Gln
1              5              10              15
Lys Glu Tyr Thr Lys Lys Lys Leu His Lys Lys Cys Asn Ile Ile Gln
              20              25              30
Ala Asp Ile Lys Pro Asp Asn Ile Leu Asp Asn Glu Ser Ile Thr Ile
              35              40              45
Leu Lys Leu Ser Asp Phe Gly Ser Ala Ser His Val Ala Asp Asn Asp
              50              55              60
Ile Thr Pro Ser Ser Ser Gln Thr Thr Ser Ala Ala Ser Ser Pro Pro
65              70              75              80
Arg Thr Leu Arg Arg
              85

```

```

<210> 820
<211> 44
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(44)
<223> X = any amino acid or stop code

```

```

<400> 820
Ser Ser Lys Pro Trp Asp Xaa Ser Leu Ala Pro Lys His Ser Gly Xaa
1              5              10              15
Thr Lys Asn Met Asp Cys Tyr Cys Ile Ile Pro Thr Cys Ile Gly Arg
              20              25              30
Glu Arg Cys Tyr Gly Thr Cys Ile Gly Asp Thr Val
              35              40              44

```

```

<210> 821

```

<211> 105
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(105)
 <223> X = any amino acid or stop code

<400> 821
 Asn Ser Ser Lys Lys Leu Val Met Glu His Gln Trp Lys Lys Tyr Leu
 1 5 10 15
 Arg Arg Asn Tyr Gln Arg Met Leu Asn Arg Leu Ile Thr Leu Ile Gly
 20 25 30
 Ser Cys Gly Val Leu Xaa Leu Ile Ser Thr Ile Pro Thr Ser Arg Leu
 35 40 45
 Lys Phe Leu Lys Glu Thr Gly His Gly Thr Pro Met Glu Glu Ile Pro
 50 55 60
 Glu Glu Glu Leu Ser Glu Asp Val Glu Gln Ile Asp His Ala Asp Arg
 65 70 75 80
 Glu Leu Arg Arg Gly Gln Asn Leu Arg Cys Lys Gly Ile His Arg Leu
 85 90 95
 Pro Thr His Ile Gln Val Gly Gln Asn
 100 105

<210> 822
 <211> 172
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(172)
 <223> X = any amino acid or stop code

<400> 822
 Lys Trp Met Leu Leu His Ser Phe Lys Ile Phe Cys Leu Ser Leu Tyr
 1 5 10 15
 Pro Gln Leu Xaa Cys Pro Phe Glu Phe Phe Ser His Ser Ala Thr Ile
 20 25 30
 Phe His Glu Leu Val Tyr Lys Gln Thr Lys Ile Ile Ser Ser Asn Gln
 35 40 45
 Glu Leu Ile Tyr Glu Gly Arg Arg Leu Val Leu Glu Pro Gly Arg Leu
 50 55 60
 Ala Gln His Phe Pro Lys Thr Thr Glu Glu Asn Pro Ile Phe Val Val
 65 70 75 80
 Ser Arg Glu Pro Leu Asn Thr Ile Gly Leu Ile Tyr Glu Lys Ile Ser
 85 90 95
 Leu Pro Lys Val His Pro Arg Tyr Asp Leu Asp Gly Asp Ala Ser Met
 100 105 110
 Ala Lys Ala Ile Thr Gly Val Val Cys Tyr Ala Cys Arg Ile Ala Ser
 115 120 125
 Thr Leu Leu Leu Tyr Gln Glu Leu Met Arg Lys Gly Ile Arg Trp Leu
 130 135 140
 Ile Glu Leu Ile Lys Asp Asp Tyr Asn Glu Thr Val His Lys Lys Thr

145 150 155 160
Glu Val Val Ile Thr Leu Gly Phe Leu Val Ser Arg
 165 170 172

```
<210> 823
<211> 104
<212>Amino acid
<213> Homo sapiens

<220> .
<221> misc_feature
<222> (1)..(104)
<223> X = any amino acid or stop code
```

	<400> 823															
Gly	Thr	Arg	Lys	Met	Gly	Pro	Thr	Val	Ser	Pro	Ile	Cys	Leu	Pro	Gly	
1				5					10					15		
Thr	Trp	Gly	Asp	Tyr	Asn	Leu	Met	Asp	Gly	Asp	Leu	Gly	Leu	Ile	Ser	
			20					25					30			
Gly	Trp	Gly	Arg	Thr	Glu	Lys	Arg	Asp	Arg	Ala	Asp	Arg	Leu	Lys	Ala	
			35					40				45				
Gly	Arg	Ser	Pro	Ala	Ala	Gly	Xaa	Arg	Lys	Trp	Glu	Pro	Gly	Arg	Gly	
	50					55					60					
Asp	Pro	Thr	Trp	Glu	Glu	Ser	Glu	Glu	Asp	Val	His	Lys	Ser	Lys	Trp	
65					70					75					80	
Thr	Arg	Cys	Val	Asp	Glu	Lys	Gly	Ala	Xaa	Cys	Xaa	Thr	Asp	Asn	Lys	
				85					90					95		
Arg	Pro	Leu	Arg	Cys	Gly	Val	Thr									
			100				104									

```
<210> 824
<211> 99
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(99)
<223> X = any amino acid or stop code
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[illegible]

99

<210> 825
 <211> 111
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> {1}...(111)
 <223> X = any amino acid or stop code

<400> 825
 Pro Val Pro Leu Pro His Pro Ile Leu Glu Val Cys Pro Gly Gln Xaa
 1 5 10 15
 Glu Pro Gln Ser Ala Ile Ser Leu Thr Ala Phe Gln Val Gln Ala Gly
 20 25 30
 Ala Ser Arg Ala Ser Pro Gly Pro Pro Ala Pro Ser Ser Ser Lys Pro
 35 40 45
 Gly Arg Lys Ala Lys Val Ala Ser Pro Cys Pro Asp Arg Pro Ala Pro
 50 55 60
 Pro Pro Thr Xaa Pro Arg Pro Ala Ala Ala Pro Gly Ser Glu Ser Ser
 65 70 75 80
 Pro Arg Pro Pro Arg Pro Arg Thr Gly Arg Gln Gln Arg Ala His
 85 90 95
 Ala Arg Arg Ala Ala Arg Thr Ala Pro Trp Arg Pro Ser Cys
 100 105 110 111

<210> 826
 <211> 95
 <212>Amino acid
 <213> Homo sapiens

<400> 826
 His Glu Gly Arg Arg Arg Gly Trp Ala Ser Ala Ser Gln Arg Phe Leu
 1 5 10 15
 Arg Asn Trp Ala Phe Leu Thr Pro Ser Lys Val Arg Arg Leu Lys Gly
 20 25 30
 Gln Lys Ala Phe Gly Lys Leu Pro Ser His Ser Asp Thr Ser Leu Thr
 35 40 45
 Ser Asp Leu Gly Phe His His Arg Phe Asn Pro Asn Ala Ser Ser Ser
 50 55 60
 Phe Lys Pro Ser Gly Thr Lys Phe Ala Ile Gln Tyr Gly Thr Gly Arg
 65 70 75 80
 Val Asp Gly Ile Leu Ser Glu Asp Lys Leu Thr Val Ser Gly Leu
 85 90 95

<210> 827
 <211> 33
 <212>Amino acid
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(33)
 <223> X = any amino acid or stop code

<400> 827
 Gly Arg Asn Ile Met His Tyr Pro Asn Gly His Ala Ile Cys Ile Ala
 1 . . . 5 10 15
 Asn Gly His Cys Ile Ile Leu Xaa Asn Ser His Asn Ile Lys Val Trp
 20 25 30
 Val
 33

<210> 828
 <211> 178
 <212>Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(178)
 <223> X = any amino acid or stop code

<400> 828
 Ile Asn Leu Gly Asn Thr Cys Tyr Met Asn Ser Val Ile Xaa Ala Leu
 1 . . . 5 10 15
 Phe Met Ala Thr Asp Phe Arg Arg Gln Val Leu Ser Leu Asn Leu Asn
 20 25 30
 Gly Cys Asn Ser Leu Met Lys Lys Leu Gln His Leu Phe Ala Phe Leu
 35 40 45
 Ala His Thr Gln Arg Glu Ala Tyr Ala Pro Arg Ile Phe Phe Glu Ala
 50 55 60
 Ser Arg Pro Pro Trp Phe Thr Pro Arg Ser Gln Gln Asp Cys Ser Glu
 65 70 75 80
 Tyr Leu Arg Phe Leu Leu Asp Arg Leu His Glu Glu Glu Lys Ile Leu
 85 90 95
 Lys Val Gln Ala Ser His Lys Pro Ser Glu Ile Leu Glu Cys Ser Glu
 100 105 110
 Thr Ser Leu Gln Glu Val Ala Ser Lys Ala Ala Val Leu Thr Glu Thr
 115 120 125
 Pro Arg Thr Ser Asp Gly Glu Lys Thr Leu Ile Glu Lys Met Phe Gly
 130 135 140
 Gly Lys Leu Arg Thr His Ile Arg Cys Leu Asn Cys Thr Ser Thr Ser
 145 150 155 160
 Gln Lys Val Glu Ala Phe Thr Asp Leu Ser Leu Ala Phe Trp Pro Ser
 165 170 175
 Ser Ser
 178

<210> 829
 <211> 43
 <212>Amino acid
 <213> Homo sapiens
 <220>

<221> misc_feature
 <222> (1)...(43)
 <223> X = any amino acid or stop code

<400> 829
 Ala Arg Asp Asp Pro Arg Val Arg Leu Ser Leu Ser Pro Asn Phe Phe
 1 5 10 15
 Xaa Leu Ala Ser Lys Leu Gly Lys Gln Trp Thr Pro Leu Ile Ile Leu
 20 25 30
 Ala Asn Ser Leu Ser Gly Thr Asn Met Gly Glu
 35 40 43

<210> 830
 <211> 259
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> X = any amino acid or stop code

<400> 830
 Met His Arg Ile Lys Leu Asn Asp Arg Met Thr Phe Pro Glu Glu Leu
 1 5 10 15
 Asp Met Ser Thr Phe Ile Asp Val Glu Asp Glu Lys Ser Pro Gln Thr
 20 25 30
 Glu Ser Cys Thr Asp Ser Gly Ala Glu Asn Glu Gly Ser Cys His Ser
 35 40 45
 Asp Gln Met Ser Asn Asp Phe Ser Asn Asp Asp Gly Val Asp Glu Gly
 50 55 60
 Ile Cys Leu Glu Thr Asn Ser Gly Thr Glu Lys Ile Ser Lys Ser Gly
 65 70 75 80
 Leu Glu Lys Asn Ser Leu Ile Tyr Glu Leu Phe Ser Val Met Val His
 85 90 95
 Ser Gly Ser Ala Ala Gly Gly His Tyr Tyr Ala Cys Ile Lys Ser Phe
 100 105 110
 Ser Asp Glu Gln Trp Tyr Ser Phe Asn Asp Gln His Val Ser Arg Ile
 115 120 125
 Thr Gln Glu Asp Ile Lys Lys Thr His Gly Gly Ser Ser Gly Ser Arg
 130 135 140
 Gly Tyr Tyr Ser Ser Ala Phe Ala Ser Ser Thr Asn Ala Tyr Met Leu
 145 150 155 160
 Ile Tyr Arg Leu Lys Asp Pro Ala Arg Asn Ala Lys Phe Leu Glu Val
 165 170 175
 Asp Glu Tyr Pro Glu His Ile Lys Asn Leu Val Gln Lys Glu Arg Glu
 180 185 190
 Leu Glu Glu Gln Glu Lys Arg Gln Arg Glu Ile Glu Arg Asn Thr Cys
 195 200 205
 Lys Ile Lys Leu Phe Cys Leu His Pro Thr Lys Gln Val Met Met Glu
 210 215 220
 Asp Xaa Ile Glu Val His Lys Asp Lys Thr Leu Lys Glu Ala Val Glu
 225 230 235 240
 Met Ala Tyr Lys Met Met Asp Leu Glu Glu Val Ile Pro Leu Asp Cys
 245 250 255

Cys Arg Leu
259

<210> 831
<211> 200
<212> Amino acid
<213> Homo sapiens

<400> 831
Ser Val Met Pro Val Pro Ala Leu Cys Leu Trp Ala Leu Ala Met
1 5 10 15
Val Thr Arg Pro Ala Ser Ala Ala Pro Met Gly Gly Pro Glu Leu Ala
20 25 30
Gln His Glu Glu Leu Thr Leu Leu Phe His Gly Thr Leu Gln Leu Gly
35 40 45
Gln Ala Leu Asn Gly Val Tyr Arg Thr Thr Glu Gly Arg Leu Thr Lys
50 55 60
Ala Arg Asn Ser Leu Gly Leu Tyr Gly Arg Thr Ile Glu Leu Leu Gly
65 70 75 80
Gln Glu Val Ser Arg Gly Arg Asp Ala Ala Gln Glu Leu Arg Ala Ser
85 90 95
Leu Leu Glu Thr Gln Met Glu Glu Asp Ile Leu Gln Leu Gln Ala Glu
100 105 110
Ala Thr Ala Glu Val Leu Gly Glu Val Ala Gln Ala Gln Lys Val Leu
115 120 125
Arg Asp Ser Val Gln Arg Leu Glu Val Gln Leu Arg Ser Ala Trp Leu
130 135 140
Gly Pro Ala Tyr Arg Glu Phe Glu Val Leu Lys Ala His Ala Asp Lys
145 150 155 160
Gln Ser His Ile Leu Trp Ala Leu Thr Gly His Val Gln Arg Gln Arg
165 170 175
Arg Glu Met Val Ala Gln Gln His Arg Leu Arg Gln Ile Gln Glu Arg
180 185 190
Leu His Thr Ala Ala Leu Pro Ala
195 200

<210> 832
<211> 225
<212> Amino acid
<213> Homo sapiens

<400> 832
Ile Thr Ser Val Asp Pro Arg Val Arg Gly Asn Ala Ser Thr Gly Tyr
1 5 10 15
Gly Lys Ile Trp Leu Asp Asp Val Ser Cys Asp Gly Asp Glu Ser Asp
20 25 30
Leu Trp Ser Cys Arg Asn Ser Gly Trp Gly Asn Asn Asp Cys Ser His
35 40 45
Ser Glu Asp Val Gly Val Ile Cys Ser Asp Ala Ser Asp Met Glu Leu
50 55 60
Arg Leu Val Gly Gly Ser Ser Arg Cys Ala Gly Lys Val Glu Val Asn
65 70 75 80
Val Gln Gly Ala Val Gly Ile Leu Cys Ala Asn Gly Trp Gly Met Asn
85 90 95

```

Ile Ala Glu Val Val Cys Arg Gln Leu Glu Cys Gly Ser Ala Ile Arg
      100      105
Val Ser Arg Glu Pro His Phe Thr Glu Arg Thr Leu His Ile Leu Met
      115      120      125
Ser Asn Ser Gly Cys Ala Gly Gly Glu Ala Ser Leu Trp Asp Cys Ile
      130      135      140
Arg Trp Glu Trp Lys Gln Thr Ala Cys His Leu Asn Met Glu Ala Ser
      145      150      155      160
Leu Ile Cys Ser Ala His Arg Gln Pro Arg Leu Val Gly Ala Asp Met
      165      170      175
Pro Cys Ser Gly Arg Val Glu Val Lys His Ala His Thr Trp Arg Ser
      180      185      190
Val Cys Asp Ser Asp Phe Ser Leu His Ala Ala Asn Val Leu Cys Arg
      195      200      205
Glu Leu Asn Cys Gly Asp Ala Ile Ser Leu Ser Val Gly Asp His Phe
      210      215      220
Gly
225

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<210> 833
<211> 206
<212>Amino acid
<213> Homo sapiens

```

```

<400> 833
Ser Asn Tyr Pro Ser Ser Arg Phe Arg Val Ala Gly Ile Thr Gly Val
 1      5      10      15
Lys Leu Gly Met Arg Ser Ile Pro Ile Ala Thr Ala Cys Thr Ile Tyr
      20      25      30
His Lys Phe Phe Cys Glu Thr Asn Leu Asp Ala Tyr Asp Pro Tyr Leu
      35      40      45
Ile Ala Met Ser Ser Ile Tyr Leu Ala Gly Lys Val Glu Glu Gln His
      50      55      60
Leu Arg Thr Arg Asp Ile Ile Asn Val Ser Asn Arg Tyr Phe Asn Pro
      65      70      75      80
Ser Gly Glu Pro Leu Glu Leu Asp Ser Arg Phe Trp Glu Leu Arg Asp
      85      90      95
Ser Ile Val Gln Cys Glu Leu Leu Met Leu Arg Val Leu Arg Phe Gln
      100      105      110
Val Ser Phe Gln His Pro His Lys Tyr Leu Leu His Tyr Leu Val Ser
      115      120      125
Leu Gln Asn Trp Leu Asn Arg His Ser Trp Gln Arg Thr Pro Val Ala
      130      135      140
Val Thr Ala Trp Ala Leu Leu Arg Asp Ser Tyr His Gly Ala Leu Cys
      145      150      155      160
Leu Arg Phe Gln Ala Gln His Ile Ala Val Ala Val Leu Tyr Leu Ala
      165      170      175
Leu Gln Val Tyr Gly Val Glu Val Pro Ala Glu Val Glu Ala Asp Glu
      180      185      190
Ala Val Gly Trp Gln Ile Tyr Ala Met Asp Thr Glu Ile Pro
      195      200      205 206

```

```

<210> 834
<211> 86
<212>Amino acid
<213> Homo sapiens

```

```

<400> 834
Arg Gly Ser Arg His Ala Val His Gly Trp Ala Phe Gly Leu Leu Phe
 1           5           10           15
Ile Asn Lys Glu Ser Val Val Met Ala Tyr Leu Phe Thr Thr Phe Asn
           20           25           30
Ala Phe Gln Gly Val Phe Ile Phe Val Phe His Cys Ala Leu Gln Lys
           35           40           45
Lys Val Arg Ser Arg Arg Gly Pro Gly Ser Gln Pro Pro Leu Glu Thr
           50           55           60
Phe Pro Gly Tyr Pro Gly Glu Gly Gly Glu Gly Gly Asp Ser Gly
65           70           75           80
Ala Pro Ser Ser Pro Gln
           85 86

```

```

<210> 835
<211> 110
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(110)
<223> X = any amino acid or stop code

```

```

<400> 835
Ala Arg Lys Asp Asp Leu Pro Pro Asn Met Arg Phe His Glu Glu Lys
 1           5           10           15
Arg Leu Asp Phe Glu Trp Thr Leu Lys Ala Gly Xaa Glu Lys Gly Xaa
           20           25           30
Pro Ser Lys Xaa Asn Lys Gly Trp Glu Gly Gln Glu Xaa Xaa Xaa Thr
           35           40           45
Val Arg Asp Xaa Gly Ile Ser Xaa Xaa Val Lys Pro Gln His Leu Ser
           50           55           60
Xaa Ala Leu Gln Met Ala Leu Lys Arg Val Tyr Thr Leu Leu Ser Ser
65           70           75           80
Trp Asn Cys Leu Glu Asp Phe Asp Gln Ile Phe Trp Gly Gln Lys Ser
           85           90           95
Ala Leu Ala Gly Gln Trp Phe Pro Glu Val Ser Ile Ile Pro
100           105           110

```

```

<210> 836
<211> 70
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(70)
<223> X = any amino acid or stop code

```

```

<400> 836

```

Gly Lys Gln Gln Arg Thr Leu Arg Arg Pro Ser Pro Thr Ile Ser
 1 5 10 15
 Val Gln Arg Ala Gly Ser Pro Glu His Ser Ser Ala Ser His Xaa His
 20 25 30
 Ser Pro Cys Pro Ala Pro Gly Gln Arg Val Leu Pro Thr Ala Leu Cys
 35 40 45
 Thr Leu Met Thr Ser Lys His Phe His Gly Cys Pro Leu Ala Gly Gln
 50 55 60
 Gly Arg Ala Val Thr Leu
 65 70

<210> 837
 <211> 473
 <212> Amino acid
 <213> Homo sapiens

<400> 837
 Gly Val Cys Gly Leu Pro Arg Phe Cys Gly Ser Ile Ile Leu Cys His
 1 5 10 15
 Tyr Glu Met Ser Ser Leu Gly Ala Ser Phe Val Gln Ile Lys Phe Asp
 20 25 30
 Asp Leu Gln Phe Phe Glu Asn Cys Gly Gly Ser Phe Gly Ser Val
 35 40 45
 Tyr Arg Ala Lys Trp Ile Ser Gln Asp Lys Glu Val Ala Val Lys Lys
 50 55 60
 Leu Leu Lys Ile Glu Lys Glu Ala Glu Ile Leu Ser Val Leu Ser His
 65 70 75 80
 Arg Asn Ile Ile Gln Phe Tyr Gly Val Ile Leu Glu Pro Pro Asn Tyr
 85 90 95
 Gly Ile Val Thr Glu Tyr Ala Ser Leu Gly Ser Leu Tyr Asp Tyr Ile
 100 105 110
 Asn Ser Asn Arg Ser Glu Glu Met Asp Met Asp His Ile Met Thr Trp
 115 120 125
 Ala Thr Asp Val Ala Lys Gly Met His Tyr Leu His Met Glu Ala Pro
 130 135 140
 Val Lys Val Ile His Arg Asp Leu Lys Ser Arg Asn Val Val Ile Ala
 145 150 155 160
 Ala Asp Gly Val Leu Lys Ile Cys Asp Phe Gly Ala Ser Arg Phe His
 165 170 175
 Asn His Thr Thr His Met Ser Leu Val Gly Thr Phe Pro Trp Met Ala
 180 185 190
 Pro Glu Val Ile Gln Ser Leu Pro Val Ser Glu Thr Cys Asp Thr Tyr
 195 200 205
 Ser Tyr Gly Val Val Leu Trp Glu Met Leu Thr Arg Glu Val Pro Phe
 210 215 220
 Lys Gly Leu Glu Gly Leu Gln Val Ala Trp Leu Val Val Glu Lys Asn
 225 230 235 240
 Glu Arg Leu Thr Ile Pro Ser Ser Cys Pro Arg Ser Phe Ala Glu Leu
 245 250 255
 Leu His Gln Cys Trp Glu Ala Asp Ala Lys Lys Arg Pro Ser Phe Lys
 260 265 270
 Gln Ile Ile Ser Ile Leu Glu Ser Met Ser Asn Asp Thr Ser Leu Pro
 275 280 285
 Asp Lys Cys Asn Ser Phe Leu His Asn Lys Ala Glu Trp Arg Cys Glu
 290 295 300
 Ile Glu Ala Thr Leu Glu Arg Leu Lys Lys Leu Glu Arg Asp Leu Ser
 305 310 315 320
 Phe Lys Glu Gln Glu Leu Lys Glu Arg Glu Arg Leu Lys Met Trp
 325 330 335

```

Glu Gln Lys Leu Thr Glu Gln Ser Asn Thr Pro Leu Leu Leu Pro Leu
    340                      345                      350
Ala Ala Arg Met Ser Glu Glu Ser Tyr Phe Glu Ser Lys Thr Glu Glu
    355                      360                      365
Ser Asn Ser Ala Glu Met Ser Cys Gln Ile Thr Ala Thr Ser Asn Gly
    370                      375                      380
Glu Gly His Gly Met Asn Pro Ser Leu Gln Ala Met Met Leu Met Gly
    385                      390                      395
Phe Gly Asp Ile Phe Ser Met Asn Lys Ala Gly Ala Val Met His Ser
    405                      410                      415
Gly Met Gln Ile Asn Met Gln Ala Lys Gln Asn Ser Ser Lys Thr Thr
    420                      425                      430
Ser Lys Arg Arg Gly Lys Lys Val Asn Met Ala Leu Gly Phe Ser Asp
    435                      440                      445
Phe Asp Leu Ser Glu Gly Asp Asp Asp Asp Asp Asp Gly Glu Glu
    450                      455                      460
Glu Tyr Asn Asp Met Asp Asn Ser Glu
    465                      470                      473

```

```

<210> 838
<211> 48
<212>Amino acid
<213> Homo sapiens

```

```

<400> 838
Met Leu Trp Glu Thr Gly Cys Ser Ala Ala Cys Arg Val Thr Val Ser
  1                      5                      10                      15
Pro Thr Val Thr Phe Ala Thr Phe Ser Thr Arg Gly Ile Asp Ala Met
    20                      25                      30
Arg Pro Gly Pro Ser Phe Leu Trp Arg Gln Gln Leu Ser Gln Gly *
    35                      40                      45                      47

```

```

<210> 839
<211> 116
<212>Amino acid
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(116)
<223> X = any amino acid or stop code

```

```

<400> 839
Pro Thr Leu Gly Asp Gln Pro Asp Leu His Ser Ile Thr Arg Ala Ser
  1                      5                      10                      15
Arg Pro Lys Leu Cys Thr Arg Lys Asn Cys Asn Pro Leu Thr Ile Thr
    20                      25                      30
Val His Asp Pro Asn Ser Thr Gln Xaa Tyr Tyr Gly Met Ser Trp Glu
    35                      40                      45
Leu Arg Phe Tyr Ile Pro Gly Phe Asp Val Gly Thr Met Phe Thr Ile
    50                      55                      60
Gln Lys Ile Leu Val Ser Trp Ser Pro Pro Lys Pro Ile Gly Pro Leu
    65                      70                      75                      80
Thr Asp Leu Gly Asp Pro Met Phe Gln Lys Pro Pro Asn Lys Val Asp

```

	85		90		95
Leu Thr Val Pro	Pro Pro Phe Leu Val Ile Lys Asp Thr Leu Gln Lys				
	100		105		110
Phe Glu Lys Ile					
	115 116				

<210> 840
 <211> 138
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(138)
 <223> X = any amino acid or stop code

<400> 840															
Ser	Leu	Asn	Asn	Val	Thr	Leu	Pro	Gln	Ala	Lys	Thr	Glu	Lys	Asp	Phe
1			5						10					15	
Ile	Gln	Leu	Cys	Thr	Pro	Gly	Val	Ile	Lys	Gln	Glu	Lys	Leu	Gly	Thr
		20					25						30		
Val	Tyr	Cys	Gln	Ala	Ser	Ser	Pro	Gly	Ala	Asn	Met	Ile	Gly	Asn	Lys
		35				40						45			
Met	Ser	Ala	Ile	Ser	Val	His	Gly	Val	Ser	Thr	Ser	Gly	Gly	Gln	Met
	50				55					60					
Tyr	His	Tyr	Asp	Met	Asn	Thr	Ala	Ser	Leu	Ser	Gln	Gln	Xaa	Asp	Gln
	65			70					75					80	
Lys	Pro	Ile	Phe	Asn	Val	Ile	Pro	Pro	Ile	Pro	Val	Gly	Ser	Glu	Asn
			85					90					95		
Trp	Asn	Arg	Cys	Gln	Gly	Ser	Gly	Asp	Asn	Leu	Thr	Ser	Leu	Gly	
	100					105						110			
Thr	Leu	Asn	Phe	Pro	Gly	Arg	Thr	Val	Ser	Phe	Ser	Phe	Glu	Met	Glu
		115				120						125			
Ser	Arg	Ser	Val	Ala	Gln	Ala	Gly	Val	Gln						
	130					135			138						

<210> 841
 <211> 82
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(82)
 <223> X = any amino acid or stop code

<400> 841															
Arg	His	Thr	Gln	Glu	Cys	Arg	Cys	Pro	His	Thr	His	Ile	His	Thr	His
1				5					10					15	
Thr	His	Ser	His	Thr	His	Ser	His	Thr	His	Ser	His	Ser	His	Ser	His
		20					25						30		
Thr	Thr	Pro	Arg	Cys	Ser	His	Thr	Gln	Pro	Pro	His	Ala	Gln	Ala	Pro
		35				40					45				
Ala	Leu	Cys	Xaa	Ser	Xaa	Glu	Asp	Arg	Gly	Gln	Pro	Thr	Trp	Lys	Leu

50 55 60
 Cys Ala His Arg Pro Arg Leu Lys Val Ile Lys Glu Gly Gly Trp Leu
 65 70 75 80
 Gly Gly
 82

<210> 842
 <211> 58
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(58)
 <223> X = any amino acid or stop code

<400> 842
 Asn Tyr Ser Leu Ser Val Tyr Leu Val Arg Gln Leu Thr Ala Gly Thr
 1 5 10 15
 Leu Leu Gln Lys Leu Arg Ala Lys Gly Ile Arg Asn Pro Asp His Ser
 20 25 30
 Arg Ala Leu Ser Glu Xaa His Leu Ser Ser Leu Pro His Leu Ile Trp
 35 40 45
 Ile Gln Val Phe Leu Ala Leu Gln Pro Ser
 50 55 58

<210> 843
 <211> 230
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(230)
 <223> X = any amino acid or stop code

<400> 843
 Ala Thr Tyr Ile Val Asp Phe Gly Phe Ser Thr Thr Phe Arg Glu Gly
 1 5 10 15
 Gln Met Leu Thr Ala Phe Cys Gly Met Tyr Pro Tyr Val Ala Pro Glu
 20 25 30
 Arg Ser Leu Gly Gln Ala Cys Gln Xaa Pro Ala Arg Asp Ile Gln Ser
 35 40 45
 Leu Ser Val Ile Leu Tyr Phe Arg Asn Thr Val Gly Arg Arg Ala Arg
 50 55 60
 Thr Leu Pro Phe Tyr Ser Ala Glu Ala Ser Lys Leu Gln Glu Lys Ile
 65 70 75 80
 Leu Thr Gly Arg Tyr His Ala Pro Pro Leu Leu Ala Leu Gln Leu Asp
 85 90 95
 Ser Leu Ile Lys Leu Leu Met Leu Asn Ala Arg Lys Cys Pro Ser Leu
 100 105 110
 Xaa Leu Met Lys Asn Pro Trp Val Lys Ser Ser Gln Lys Met Pro Leu
 115 120 125
 Ile Pro Tyr Glu Glu Pro Leu Arg Gly Pro Pro Gln Thr Ile Gln Leu


```

130          135          140
Met Val Ala Met Gly Phe Gln Ala Lys Asn Ile Ser Val Ala Ile Ile
145          150          155          160
Glu Arg Lys Phe Asn Tyr Pro Met Ala Thr Tyr Leu Ile Leu Glu His
          165          170          175
Thr Lys Gln Glu Arg Lys Cys Ser Thr Ile Arg Glu Leu Ser Leu Pro
          180          185          190
Pro Gly Val Pro Thr Ser Pro Ser Pro Ser Thr Glu Leu Ser Thr Phe
          195          200          205
Pro Leu Ser Leu Met Arg Ala His Arg Glu Pro Ala Phe Asn Val Gln
210          215          220
Pro Pro Glu Glu Ser Gln
225          230

```

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<210> 844
<211> 258
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> X = any amino acid or stop code

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<400> 844
Ala Lys Gln Glu Leu Ala Lys Leu Met Arg Ile Glu Asp Pro Ser Leu
1          5          10          15
Leu Asn Ser Arg Val Leu Leu His His Ala Lys Ala Gly Thr Ile Ile
          20          25          30
Ala Arg Gln Gly Asp Gln Asp Val Ser Leu His Phe Val Leu Trp Gly
          35          40          45
Cys Leu His Val Tyr Gln Arg Met Ile Asp Lys Ala Glu Asp Val Cys
          50          55          60
Leu Phe Val Ala Gln Pro Gly Glu Leu Val Gly Gln Leu Ala Val Leu
65          70          75          80
Thr Gly Glu Pro Leu Ile Phe Thr Leu Arg Ala Gln Arg Asp Cys Thr
          85          90          95
Phe Leu Arg Ile Ser Lys Ser Asp Phe Tyr Glu Ile Met Arg Ala Gln
          100          105          110
Pro Ser Val Val Leu Ser Ala Ala His Thr Val Ala Ala Arg Met Ser
          115          120          125
Pro Phe Val Arg Gln Met Asp Phe Ala Ile Asp Trp Thr Ala Val Glu
          130          135          140
Ala Gly Arg Ala Leu Tyr Arg Cys Ser Ser His Arg Ala Ala Gln Ala
145          150          155          160
Arg Pro Arg Gly Gly Asp Leu Gly Val Val Arg Pro Cys Xaa Pro Pro
          165          170          175
Arg Pro Leu Arg Gln Gly Asp Arg Ser Asp Cys Thr Tyr Ile Val Leu
          180          185          190
Asn Gly Arg Leu Arg Ser Val Ile Gln Arg Gly Ser Gly Lys Lys Glu
          195          200          205
Leu Val Gly Glu Tyr Gly Arg Gly Asp Leu Ile Gly Val Val Ser Ala
210          215          220
Thr Pro Thr His Xaa Pro Leu Ala Phe Ser Arg Pro Val Pro Arg Gln
225          230          235          240
Leu Thr Arg Ile Ile Pro Gly Asn Pro Gly Ser Gly Glu Val Phe Pro
          245          250          255
Gly Ala
258

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<210> 845
 <211> 235
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(235)
 <223> X = any amino acid or stop code

<400> 845
 His Ala Ser Gly Trp Thr Pro Gly Thr Thr Gln Thr Leu Gly Gln Gly
 1 5 10 15
 Thr Ala Trp Asp Thr Val Ala Ser Thr Pro Gly Thr Ser Glu Thr Thr
 20 25 30
 Ala Ser Ala Glu Gly Arg Arg Thr Pro Gly Ala Thr Arg Pro Ala Ala
 35 40 45
 Pro Gly Thr Gly Ser Trp Ala Glu Gly Ser Val Lys Ala Pro Ala Pro
 50 55 60
 Ile Pro Glu Ser Pro Pro Ser Lys Ser Arg Ser Met Ser Asn Thr Thr
 65 70 75 80
 Glu Gly Val Trp Glu Gly Thr Arg Ser Ser Val Thr Asn Arg Ala Arg
 85 90 95
 Ala Ser Lys Asp Arg Arg Glu Met Thr Thr Thr Lys Ala Asp Arg Pro
 100 105 110
 Arg Glu Asp Ile Glu Gly Val Arg Ile Ala Leu Asp Ala Ala Lys Lys
 115 120 125
 Val Leu Gly Thr Ile Gly Pro Pro Ala Leu Val Ser Glu Thr Leu Ala
 130 135 140
 Trp Glu Ile Leu Pro Gln Ala Thr Pro Val Ser Lys Gln Gln Ser Gln
 145 150 155 160
 Gly Ser Ile Gly Glu Thr Thr Pro Ala Ala Gly Met Trp Thr Leu Gly
 165 170 175
 Thr Pro Ala Ala Asp Val Trp Ile Leu Gly Thr Pro Ala Ala Asp Val
 180 185 190
 Trp Thr Ser Met Glu Ala Ala Ser Gly Glu Gly Ser Ala Ala Gly Asp
 195 200 205
 Leu Asp Ala Ala Thr Gly Asp Arg Gly Pro Gln Ala Thr Leu Ser Gln
 210 215 220
 Thr Pro Ala Val Xaa Pro Trp Gly Pro Pro Gly
 225 230 235

<210> 846
 <211> 134
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(134)
 <223> X = any amino acid or stop code

<400> 846

```

Ala Gly Thr Ser Gly Thr Gly Asp Thr Gly Pro Gly Asn Thr Ala Val
 1           5           10           15
Ser Gly Thr Pro Val Val Ser Pro Gly Ala Thr Pro Gly Ala Pro Gly
           20           25           30
Ser Ser Thr Pro Gly Glu Ala Asp Ile Gly Asn Thr Ser Phe Gly Lys
 35           40           45
Ser Gly Thr Pro Thr Val Ser Ala Ala Ser Thr Thr Ser Ser Pro Val
 50           55           60
Ser Lys His Thr Asp Ala Ala Ser Ala Thr Ala Val Thr Ile Ser Gly
 65           70           75           80
Ser Lys Pro Gly Thr Pro Gly Thr Pro Gly Ala Thr Ser Gly Gly
           85           90           95
Lys Ile Thr Pro Gly Ile Ala Xaa Pro Thr Leu Asp Gln Lys Ser Pro
 100          105          110
Cys Phe Ser Gly Tyr Gly Gly Tyr Phe Pro Val Asn Pro His Gln Asn
 115          120          125
Pro Cys Ala Asp Ser Leu
 130          134

```

```

<210> 847
<211> 188
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(188)
<223> X = any amino acid or stop code

```

```

<400> 847
Arg Ala His Arg Cys Cys Leu Pro Leu Pro Ser Leu Ser Cys Glu Ile
 1           5           10           15
Gln Ile Gly Phe Ser Xaa Ser Ser Ile Phe Pro Gly Gln Xaa Ala Cys
           20           25           30
Pro Cys Ser Cys Cys Arg Ser Cys Arg Arg Asn Trp Pro Gln Ser Pro
 35           40           45
Arg Cys Pro His His Pro Pro Ala Pro Cys Ser Leu Leu Leu Ser Ser
 50           55           60
Cys Leu Pro Pro Pro Leu Ser Cys Ser Trp Arg Gly Thr Ser Gly Lys
 65           70           75           80
Pro Pro Ser Gln Ser Pro Ala Ala Ser Arg Ser Met Arg Pro Arg Cys
           85           90           95
Ser Pro Arg Thr Ser Ser Leu Arg Gly Ala Ser Cys Arg Gly Pro Gly
           100          105          110
Gly Ser Ala Pro Ala Ala Ala Ser Gly Pro Arg Cys Arg Gly Cys Ser
           115          120          125
Arg Ser Pro Arg Arg Cys Ser Arg Ser Gly Cys Ala Ala Ala Ser Pro
 130          135          140
Pro Arg Ser Gln Arg Arg Ser Pro Pro Leu Ser Pro Pro Phe Pro
 145          150          155          160
Thr Ser Gly Thr Leu Leu Lys Thr Ser Arg Phe Gly Ser Ala Thr
           165          170          175
Arg Glu Xaa Ser Ser Pro Arg Pro Arg Pro
 180          185          188

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<210> 848
<211> 328
<212>Amino acid

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(328)

<223> X = any amino acid or stop code

<400> 848

```

Asp Asp Val Pro Pro Ala Pro Asp Leu Tyr Asp Val Pro Pro Gly
1      5      10      15
Leu Arg Arg Pro Gly Pro Gly Thr Leu Tyr Asp Val Pro Arg Glu Arg
      20      25      30
Val Leu Pro Pro Glu Val Ala Asp Gly Gly Val Val Asp Ser Gly Val
      35      40      45
Tyr Ala Val Pro Pro Pro Ala Glu Arg Glu Ala Pro Ala Glu Gly Lys
      50      55      60
Arg Leu Ser Ala Ser Ser Thr Gly Ser Thr Arg Ser Ser Gln Ser Ala
65      70      75      80
Ser Ser Leu Glu Val Ala Gly Pro Gly Arg Glu Pro Leu Glu Leu Glu
      85      90      95
Val Ala Val Glu Ala Leu Ala Arg Leu Gln Gln Gly Val Ser Ala Thr
      100      105      110
Val Ala His Leu Leu Asp Leu Ala Gly Ser Ala Gly Ala Thr Gly Ser
      115      120      125
Trp Arg Ser Pro Ser Glu Pro Gln Glu Pro Leu Val Gln Asp Leu Gln
130      135      140
Ala Ala Val Ala Ala Val Gln Ser Ala Val His Glu Leu Leu Glu Phe
145      150      155      160
Ala Arg Ser Ala Val Gly Asn Ala Ala His Thr Ser Asp Arg Ala Leu
      165      170      175
His Ala Lys Leu Ser Arg Gln Leu Gln Lys Met Glu Asp Val His Gln
180      185      190
Thr Leu Val Ala His Gly Gln Ala Leu Asp Ala Gly Arg Gly Gly Ser
195      200      205
Gly Ala Thr Leu Glu Asp Leu Asp Arg Leu Val Ala Cys Ser Arg Ala
210      215      220
Val Pro Glu Asp Ala Lys Gln Leu Ala Ser Phe Leu His Gly Asn Ala
225      230      235      240
Ser Leu Leu Phe Arg Arg Thr Lys Ala Thr Ala Pro Gly Pro Glu Gly
      245      250      255
Gly Gly Thr Leu His Pro Asn Pro Thr Asp Lys Thr Ser Ser Ile Gln
260      265      270
Ser Arg Pro Leu Pro Ser Pro Pro Lys Phe Thr Ser Gln Asp Ser Pro
275      280      285
Asp Gly Gln Tyr Glu Asn Ser Glu Gly Gly Trp Met Glu Asp Tyr Asp
290      295      300
Tyr Val His Leu Thr Gly Gly Arg Arg Ser Phe Xaa Lys Thr Gln Lys
305      310      315      320
Glu Leu Leu Gly Lys Arg Ala Ala
      325      328

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<210> 849

<211> 98

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(98)

<223> X = any amino acid or stop code

<400> 849
 Met Ala Thr Asp Glu Glu Asn Val Tyr Gly Leu Glu Glu Asn Ala Gln
 1 5 10 15
 Ser Arg Gln Glu Ser Thr Arg Arg Leu Ile Leu Val Gly Arg Thr Gly
 20 25 30
 Ala Gly Lys Ser Ala Thr Gly Asn Ser Ile Leu Gly Gln Arg Arg Phe
 35 40 45
 Phe Ser Arg Leu Gly Ala Thr Ser Val Thr Arg Ala Cys Thr Thr Gly
 50 55 60
 Ser Arg Arg Trp Asp Lys Cys His Val Glu Val Val Asp Thr Pro Asp
 65 70 75 80
 Ile Phe Ser Ser Gln Val Ser Lys Thr Asp Pro Gly Cys Glu Glu Arg
 85 90 95
 Xaa *
 97

<210> 850
 <211> 94
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(94)
 <223> X = any amino acid or stop code

<400> 850
 Thr Leu Gly Leu Arg Ser Leu Thr Lys Glu Gly Gly Gly Gly Asp
 1 5 10 15
 Val Ala Ala Phe Glu Val Gly Thr Gly Ala Ala Ala Ser Arg Ala Leu
 20 25 30
 Gly Gln Cys Gly Gln Leu Gln Lys Leu Ile Val Ile Phe Ile Gly Ser
 35 40 45
 Leu Cys Gly Leu Cys Thr Lys Cys Ala Val Ser Asn Asp Leu Thr Gln
 50 55 60
 Gln Glu Ile Gln Thr Pro Glu Ile Gln Gln Arg Asn Ala Xaa Cys Asp
 65 70 75 80
 Ser Arg Val Thr Phe Thr Asn Glu Gly Gly Arg Trp Trp Gly
 85 90 94

<210> 851
 <211> 50
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(50)
 <223> X = any amino acid or stop code

<400> 851
 Phe Phe Phe Leu Val Glu Thr Arg Phe His His Ile Gly Gln Ala Gly
 1 5 10 15
 Leu Glu Leu Leu Thr Leu Ser Ile Lys Xaa Ser Ala Arg Leu Gly Leu
 20 25 30
 Pro Lys Cys Trp Asp Asp Arg Arg Glu Pro Pro Tyr Leu Ala Gly Phe
 35 40 45
 Met Ile
 50

<210> 852
 <211> 143
 <212> Amino acid
 <213> Homo sapiens

<400> 852
 Arg Arg Ser Pro Pro Ala Pro Pro Pro Leu Pro Ser Pro Leu Ser
 1 5 10 15
 Pro Pro Pro Arg Ala Pro Val Ser Pro Ala Ser Thr Met Pro Ile Leu
 20 25 30
 Leu Phe Leu Ile Asp Thr Ser Ala Ser Met Asn Gln Arg Ser His Leu
 35 40 45
 Gly Thr Thr Tyr Leu Asp Thr Ala Lys Gly Ala Val Glu Thr Phe Met
 50 55 60
 Lys Leu Arg Ala Arg Asp Pro Ala Ser Arg Gly Asp Arg Tyr Met Leu
 65 70 75 80
 Val Thr Phe Glu Glu Pro Pro Tyr Ala Ile Lys Ala Gly Trp Lys Glu
 85 90 95
 Asn His Ala Thr Phe Met Asn Glu Leu Lys Asn Leu Gln Ala Glu Gly
 100 105 110
 Leu Thr Thr Leu Gly Gln Ser Leu Arg Thr Ala Phe Asp Leu Leu Asn
 115 120 125
 Leu Asn Arg Leu Val Thr Gly Ile Asp Asn Tyr Gly Gln Val Gly
 130 135 140 143

<210> 853
 <211> 154
 <212> Amino acid
 <213> Homo sapiens

<400> 853
 Asn Cys Arg Thr Tyr Val Phe Cys Phe Val Leu Val Phe Arg Leu Leu
 1 5 10 15
 Phe Leu His Gly Ser Pro Leu Ser Pro Ser Leu Leu Ser Arg Ala Gly
 20 25 30
 Leu Leu Cys Gly Ser Ala Glu Asn Pro Thr Pro Phe Leu Cys Gly Ile
 35 40 45
 Thr Met Ala Ala Gly Val Ser Leu Leu Ala Leu Val Val Arg Val Ile
 50 55 60
 Leu Ser Thr Ala Ile Leu Cys Pro Ser Gly Ala Ser Arg Arg Gln Arg
 65 70 75 80
 Ser Ser Glu Val Glu Trp Gly Thr Asp Ser Gly Val Tyr Arg Leu Tyr

[illegible]

```
<210> 854
<211> 90
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(90)
<223> X = any amino acid or stop code
```

<400> 854																		
Val	Thr	Pro	Thr	Pro	Gln	Tyr	Tyr	Thr	Cys	Ser	Cys	Val	Leu	Gly				
1				5				10					15					
Phe	Ile	Ala	Cys	Ser	Ile	Phe	Leu	Gln	Met	Ser	Leu	Lys	Pro	Lys	Val			
			20					25					30					
Met	Leu	Leu	Thr	Val	Ala	Leu	Val	Ala	Cys	Leu	Val	Leu	Phe	Asn	Leu			
			35				40					45						
Ser	Gln	Cys	Trp	Gln	Arg	Asp	Cys	Cys	Ser	Gln	Gly	Leu	Gly	Asn	Leu			
	50					55					60							
Thr	Glu	Pro	Ser	Gly	Thr	Asn	Arg	Xaa	Gly	Pro	Ala	Ala	Val	Ser	Trp			
65					70					75								
Ala	Ser	Leu	Pro	Ala	Pro	Ser	Ser	Cys	Arg									
				85				90										

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<210> 855
<211> 61
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(61)
<223> X = any amino acid or stop code
```

<400> 855

Gly	Lys	Ala	Gly	Gly	Ala	Ala	Gly	Leu	Phe	Ala	Lys	Gln	Val	Gln	Lys
1				5					10					15	
Lys	Phe	Ser	Arg	Ala	Gln	Glu	Lys	Xaa	Thr	Arg	Arg	Phe	Gly	Lys	Thr
			20					25					30		
Cys	Gln	Pro	Glu	Glu	Arg	Ala	Arg	Glu	Glu	Arg	Gln	Glu	Gly	Pro	Glu
			35				40					45			
Ile	Glu	Phe	Gly	Phe	Ser	Phe	Phe	Ser	Leu	Ser	Leu	Tyr			
	50					55					60	61			

<210> 856
 <211> 779
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(779)
 <223> X = any amino acid or stop code

<400> 856
 Pro Lys Arg Leu Phe Leu Phe Gln Asp Val Asn Thr Leu Gln Gly Gly
 1 5 10 15
 Gly Gln Pro Val Val Thr Pro Ser Val Gln Pro Ser Leu Gln Pro Ala
 20 25 30
 His Pro Ala Leu Pro Gln Met Thr Ser Gln Ala Pro Gln Pro Ser Val
 35 40 45
 Thr Gly Leu Gln Ala Pro Ser Ala Ala Leu Met Gln Val Ser Ser Leu
 50 55 60
 Asp Ser His Ser Ala Val Ser Gly Asn Ala Gln Ser Phe Gln Pro Tyr
 65 70 75 80
 Ala Gly Met Gln Ala Tyr Ala Tyr Pro Gln Ala Ser Ala Val Thr Ser
 85 90 95
 Gln Leu Gln Pro Val Arg Pro Leu Tyr Pro Ala Pro Leu Ser Gln Pro
 100 105 110
 Pro His Phe Gln Gly Ser Gly Asp Met Ala Ser Phe Leu Met Thr Glu
 115 120 125
 Ala Arg Gln His Asn Thr Glu Ile Arg Met Ala Val Ser Lys Val Ala
 130 135 140
 Asp Lys Met Asp His Leu Met Thr Lys Val Glu Glu Leu Gln Lys His
 145 150 155 160
 Ser Ala Gly Asn Ser Met Leu Ile Pro Ser Met Ser Val Thr Met Glu
 165 170 175
 Thr Ser Met Ile Met Ser Asn Ile Gln Arg Ile Ile Gln Glu Asn Glu
 180 185 190
 Arg Leu Lys Gln Glu Ile Leu Glu Lys Ser Asn Arg Ile Glu Glu Gln
 195 200 205
 Asn Asp Lys Ile Ser Glu Leu Ile Glu Arg Asn Gln Arg Tyr Val Glu
 210 215 220
 Gln Ser Asn Leu Met Met Glu Lys Arg Asn Asn Ser Leu Gln Thr Ala
 225 230 235 240
 Thr Glu Asn Thr Gln Ala Arg Val Leu His Ala Glu Gln Glu Lys Ala
 245 250 255
 Lys Val Thr Glu Glu Leu Ala Ala Thr Ala Gln Val Ser His Leu
 260 265 270
 Gln Leu Lys Met Thr Ala His Gln Lys Lys Glu Thr Glu Leu Gln Met
 275 280 285
 Gln Leu Thr Glu Ser Leu Lys Glu Thr Asp Leu Leu Arg Gly Gln Leu
 290 295 300
 Thr Lys Val Gln Ala Lys Leu Ser Glu Leu Gln Glu Thr Ser Glu Gln
 305 310 315 320
 Ala Gln Ser Lys Phe Lys Ser Glu Lys Gln Asn Arg Lys Gln Leu Glu
 325 330 335
 Leu Lys Val Thr Ser Leu Glu Glu Glu Leu Thr Asp Leu Arg Val Glu
 340 345 350
 Lys Glu Ser Leu Glu Lys Asn Leu Ser Glu Arg Lys Lys Lys Ser Ala
 355 360 365
 Gln Glu Arg Ser Gln Ala Glu Glu Glu Ile Asp Glu Ile Arg Lys Ser
 370 375 380


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Tyr  Gln  Glu  Glu  Leu  Asp  Lys  Leu  Arg  Gln  Leu  Leu  Lys  Lys  Thr  Arg
385          390          395
Val  Ser  Thr  Asp  Gln  Ala  Ala  Ala  Glu  Gln  Leu  Ser  Leu  Val  Gln  Ala
          405          410          415
Glu  Leu  Gln  Thr  Gln  Trp  Glu  Ala  Lys  Cys  Glu  His  Leu  Leu  Ala  Ser
          420          425          430
Ala  Lys  Asp  Glu  His  Leu  Gln  Gln  Tyr  Gln  Glu  Val  Cys  Ala  Gln  Arg
          435          440          445
Asp  Ala  Tyr  Gln  Gln  Lys  Leu  Val  Gln  Leu  Gln  Glu  Lys  Ser  Val  Cys
          450          455          460
Phe  Ala  Cys  Leu  Ala  Leu  Gln  Ala  Gln  Ile  Thr  Ala  Leu  Thr  Lys  Gln
465          470          475
Asn  Glu  Gln  His  Ile  Lys  Glu  Leu  Glu  Lys  Asn  Lys  Ser  Gln  Met  Ser
          485          490          495
Gly  Val  Glu  Ala  Ala  Ala  Ser  Asp  Pro  Ser  Glu  Lys  Val  Lys  Lys  Ile
          500          505          510
Met  Asn  Gln  Val  Phe  Gln  Ser  Leu  Arg  Arg  Glu  Phe  Glu  Leu  Glu  Glu
          515          520          525
Ser  Tyr  Asn  Gly  Arg  Thr  Ile  Leu  Gly  Thr  Ile  Met  Asn  Thr  Ile  Lys
          530          535          540
Met  Val  Thr  Leu  Gln  Leu  Leu  Asn  Gln  Gln  Glu  Gln  Glu  Lys  Glu  Glu
545          550          555
Ser  Ser  Ser  Glu  Glu  Glu  Glu  Lys  Ala  Glu  Glu  Arg  Pro  Arg  Arg
          565          570          575
Pro  Ser  Gln  Glu  Gln  Ser  Ala  Ser  Ala  Ser  Ser  Gly  Gln  Pro  Gln  Ala
          580          585          590
Pro  Leu  Asn  Arg  Glu  Arg  Pro  Glu  Ser  Pro  Met  Val  Pro  Ser  Glu  Gln
          595          600          605
Val  Val  Glu  Glu  Ala  Val  Pro  Leu  Pro  Pro  Gln  Ala  Leu  Thr  Thr  Ser
          610          615          620
Gln  Asp  Gly  His  Arg  Arg  Lys  Gly  Asp  Ser  Glu  Ala  Glu  Ala  Leu  Ser
625          630          635
Glu  Ile  Lys  Asp  Gly  Ser  Leu  Pro  Pro  Glu  Leu  Ser  Cys  Ile  Pro  Ser
          645          650          655
His  Arg  Val  Leu  Gly  Pro  Pro  Thr  Ser  Ile  Pro  Pro  Glu  Pro  Leu  Gly
          660          665          670
Pro  Val  Ser  Met  Asp  Ser  Glu  Cys  Glu  Glu  Ser  Leu  Ala  Ala  Ser  Pro
          675          680          685
Met  Ala  Ala  Lys  Pro  Asp  Asn  Pro  Ser  Gly  Lys  Val  Cys  Val  Gln  Gly
          690          695          700
Lys  Xaa  Ala  Pro  Asp  Gly  Pro  Thr  Tyr  Lys  Glu  Ser  Ser  Thr  Arg  Leu
705          710          715
Phe  Pro  Gly  Phe  Gln  Asp  Pro  Glu  Glu  Gly  Asp  Pro  Leu  Ala  Leu  Gly
          725          730          735
Leu  Glu  Ser  Pro  Gly  Glu  Pro  Gln  Pro  Pro  Gln  Leu  Gln  Gly  Lys  Val
          740          745          750
Asp  Val  His  Xaa  Val  Pro  Pro  Val  Pro  His  Lys  Gly  Ala  Phe  Gln  Glu
          755          760          765
Gln  Glu  Gly  Arg  Phe  Pro  Gln  Phe  Cys  Arg  Glu
770          775          779

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<210> 857

<211> 510

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(510)

<223> X = any amino acid or stop code

<400> 857

Ser Glu Thr Ala Gln Gln Ile Ile Asp Arg Leu Arg Val Lys Leu Ala
 1 5 10 15
 Lys Glu Pro Gly Ala Asn Leu Phe Leu Met Ala Val Gln Asp Ile Arg
 20 25 30
 Val Gly Gly Arg Gln Ser Asn Ala Ser Tyr Gln Tyr Thr Leu Leu Ser
 35 40 45
 Asp Asp Leu Ala Ala Leu Arg Glu Trp Glu Pro Lys Ile Arg Lys Lys
 50 55 60
 Leu Ala Thr Leu Pro Glu Leu Ala Asp Val Asn Ser Asp Gln Gln Asp
 65 70 75 80
 Asn Gly Ala Glu Met Asn Leu Val Tyr Asp Arg Asp Thr Met Ala Arg
 85 90 95
 Leu Gly Ile Asp Val Gln Ala Ala Asn Ser Leu Leu Asn Asn Ala Phe
 100 105 110
 Gly Gln Arg Gln Ile Ser Thr Ile Tyr Gln Pro Met Asn Gln Tyr Lys
 115 120 125
 Val Val Met Glu Val Asp Pro Arg Tyr Thr Gln Asp Ile Ser Ala Leu
 130 135 140
 Glu Lys Met Phe Val Ile Asn Asn Glu Gly Lys Ala Ile Pro Leu Ser
 145 150 155 160
 Tyr Phe Ala Lys Trp Gln Pro Ala Asn Ala Pro Leu Ser Val Asn His
 165 170 175
 Gln Gly Leu Ser Ala Ala Leu Thr Ile Ser Phe Asn Leu Pro Thr Gly
 180 185 190
 Lys Ser Leu Ser Asp Ala Ser Ala Ala Ile Asp Arg Ala Met Ser Gln
 195 200 205
 Leu Gly Val Pro Ser Thr Val Arg Gly Ser Phe Ala Gly Pro Ala Gln
 210 215 220
 Val Phe Gln Glu Thr Met Asn Ser Gln Val Ile Leu Ile Ile Ala Ala
 225 230 235 240
 Ile Ala Thr Val Tyr Ile Val Leu Gly Ile Pro Tyr Glu Arg Tyr Val
 245 250 255
 His Pro Pro Thr Ile Leu Leu Xaa Arg Pro Gly Ala Asn Leu Phe Leu
 260 265 270
 Met Ala Val Gln Asp Ile Arg Val Gly Gly Arg Gln Ser Asn Ala Ser
 275 280 285
 Tyr Gln Tyr Thr Leu Leu Ser Asp Asp Leu Ala Ala Leu Arg Glu Trp
 290 295 300
 Glu Pro Lys Ile Arg Lys Lys Leu Ala Thr Leu Pro Glu Leu Ala Asp
 305 310 315 320
 Val Asn Ser Asp Gln Gln Asp Asn Gly Ala Glu Met Asn Leu Val Tyr
 325 330 335
 Asp Arg Asp Thr Met Ala Arg Leu Gly Ile Asp Val Gln Ala Ala Asn
 340 345 350
 Ser Leu Leu Asn Asn Ala Phe Gly Gln Arg Gln Ile Ser Thr Ile Tyr
 355 360 365
 Gln Pro Met Asn Gln Tyr Lys Val Val Met Glu Val Asp Pro Arg Tyr
 370 375 380
 Thr Gln Asp Ile Ser Ala Leu Glu Lys Met Phe Val Ile Asn Asn Glu
 385 390 395 400
 Gly Lys Ala Ile Pro Leu Ser Tyr Phe Ala Lys Trp Gln Pro Ala Asn
 405 410 415
 Ala Pro Leu Ser Val Asn His Gln Gly Leu Ser Ala Ala Leu Thr Ile
 420 425 430
 Ser Phe Asn Leu Pro Thr Gly Lys Ser Leu Ser Asp Ala Ser Ala Ala
 435 440 445
 Ile Asp Arg Ala Met Ser Gln Leu Gly Val Pro Ser Thr Val Arg Gly
 450 455 460
 Ser Phe Ala Gly Pro Ala Gln Val Phe Gln Glu Thr Met Asn Ser Gln
 465 470 475 480
 Val Ile Leu Ile Ile Ala Ala Ile Ala Thr Val Tyr Ile Val Leu Gly

```

                                485                                490                                495
Ile Pro Tyr Glu Arg Tyr Val His Pro Thr Ile Leu Leu
                    500                    505                    510

<210> 858
<211> 137
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> X = any amino acid or stop code

<400> 858

Ile Ile Thr Pro Asp Ala Met Gly Cys Gln Lys Asp Ile Ala Glu Lys
 1                    5                    10                    15
Ile Gln Lys Gln Gly Gly Asp Tyr Leu Phe Ala Val Lys Gly Asn Gln
                    20                    25                    30
Gly Arg Leu Asn Lys Ala Phe Glu Glu Lys Phe Pro Leu Lys Glu Leu
                    35                    40                    45
Asn Asn Pro Glu His Asp Ser Tyr Ala Ile Ser Glu Lys Ser His Asp
                    50                    55                    60
Arg Glu Glu Ile Arg Leu His Ile Val Cys Asp Val Pro Asp Glu Leu
 65                    70                    75                    80
Ile Asp Phe Thr Phe Glu Trp Lys Gly Leu Lys Lys Leu Cys Val Ala
                    85                    90                    95
Val Ser Phe Arg Ser Ile Ile Ala Glu Gln Lys Lys Glu Pro Glu Met
                    100                    105                    110
Thr Val Arg Tyr Asn Ile Ser Xaa Leu Gly Ile Ala Gly Asp Ile Ser
                    115                    120                    125
Val Thr Ala Ile Ser Gly Thr Asp Asp
130                    135                    137

```

```
<210> 859
<211> 123
<212> Amino acid
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(123)  
<223> X = any amino acid or stop code
```

<400> 859															
His	Tyr	Leu	Lys	Met	Leu	Thr	Gln	Ala	Arg	Arg	Glu	Val	Ile	Ile	Ala
1				5					10					15	
Asn	Ala	Tyr	Phe	Phe	Pro	Gly	Tyr	Arg	Phe	Leu	His	Ala	Leu	Arg	Lys
			20					25					30		
Ala	Ala	Arg	Arg	Gly	Val	Arg	Ile	Lys	Leu	Ile	Ile	Gln	Gly	Glu	Pro
			35				40					45			
Asp	Met	Pro	Ile	Val	Arg	Val	Gly	Ala	Arg	Leu	Leu	Tyr	Asn	Tyr	Leu
	50					55				60					
Val	Lys	Gly	Gly	Val	Gln	Val	Phe	Glu	Tyr	Arg	Arg	Arg	Pro	Leu	His

65				70				75				80
Gly	Lys	Val	Ala	Leu	Met	Asp	Asp	His	Trp	Ala	Thr	Val
				85				90				95
Asn	Leu	His	Pro	Val	Ser	Xaa	Ser	Gly	Asn	Leu	Gln	Ala
				100				105				110
Leu	His	Val	Leu	Arg	Val	Pro	Thr	Leu	Asn	Pro		
				115				120				123

<210> 860
 <211> 190
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(190)
 <223> X = any amino acid or stop code

<400> 860

Cys	Trp	Ser	Lys	Ser	Ala	Ala	Phe	His	Ser	Lys	Leu	Ala	Thr	Thr	Cys
1				5					10					15	
Ile	Val	Pro	Val	Cys	Ala	Ala	Gly	His	Cys	Ser	Ala	Ala	Trp	Xaa	Ser
			20				25						30		
Leu	Arg	Pro	Ile	Glu	Ala	Leu	Ala	Lys	Glu	Val	Arg	Glu	Leu	Lys	Xaa
	35					40					45				
His	Thr	Arg	Xaa	Leu	Leu	Asn	Pro	Ala	Thr	Thr	Arg	Glu	Leu	Thr	Ser
	50				55					60					
Leu	Gly	Arg	Asn	Leu	Asn	Arg	Leu	Leu	Lys	Ser	Glu	Arg	Glu	Arg	Tyr
	65			70					75					80	
Asp	Lys	Tyr	Arg	Thr	Leu	Thr	Asp	Leu	Thr	His	Ser	Leu	Lys	Thr	
			85					90					95		
Pro	Leu	Ala	Val	Leu	Gln	Ser	Thr	Leu	Arg	Ser	Leu	Arg	Ser	Glu	Lys
			100				105						110		
Met	Ser	Val	Ser	Asp	Ala	Glu	Pro	Val	Met	Leu	Glu	Gln	Ile	Ser	Arg
			115				120						125		
Ile	Ser	Gln	Gln	Ile	Gly	Tyr	Tyr	Leu	His	Arg	Ala	Ser	Met	Arg	Gly
			130			135					140				
Gly	Thr	Leu	Leu	Ser	Arg	Glu	Leu	His	Pro	Val	Ala	Pro	Leu	Leu	Asp
	145			150					155					160	
Asn	Leu	Thr	Ser	Ala	Leu	Ile	Lys	Gly	Lys	Pro	Arg	Lys	Gly	Gly	Asn
			165				170						175		
Val	Thr	Val	Phe	Pro	Phe	Thr	Ala	Met	Tyr	Arg	Asp	Gly	His		
			180				185						190		

<210> 861
 <211> 241
 <212> Amino acid
 <213> Homo sapiens

<400> 861

Gly	Asn	Thr	Val	Met	Phe	Gln	His	Leu	Met	Gln	Lys	Arg	Lys	His	Thr
1				5					10					15	
Gln	Trp	Thr	Tyr	Gly	Pro	Leu	Thr	Ser	Thr	Leu	Tyr	Asp	Leu	Thr	Glu
			20					25					30		

```

Ile Asp Ser Ser Gly Asp Glu Gln Ser Leu Leu Glu Leu Ile Ile Thr
   35           40           45
Thr Lys Lys Arg Glu Ala Arg Gln Ile Leu Asp Gln Thr Pro Val Lys
   50           55           60
Glu Leu Val Ser Leu Lys Trp Lys Arg Tyr Gly Arg Pro Tyr Phe Cys
   65           70           75           80
Met Leu Gly Ala Ile Tyr Leu Leu Tyr Ile Ile Cys Phe Thr Met Cys
           85           90           95
Cys Ile Tyr Arg Pro Leu Lys Pro Arg Thr Asn Asn Arg Thr Ser Pro
           100           105           110
Arg Asp Asn Thr Leu Leu Gln Gln Lys Leu Leu Gln Glu Ala Tyr Met
           115           120           125
Thr Pro Lys Asp Asp Ile Arg Leu Val Gly Glu Leu Val Thr Val Ile
           130           135           140
Gly Ala Ile Ile Ile Leu Leu Val Glu Val Pro Asp Ile Phe Arg Met
           145           150           155           160
Gly Val Thr Arg Phe Phe Gly Gln Thr Ile Leu Gly Gly Pro Phe His
           165           170           175
Val Leu Ile Ile Thr Tyr Ala Phe Met Val Leu Val Thr Met Val Met
           180           185           190
Arg Leu Ile Ser Ala Ser Gly Glu Val Val Pro Met Ser Phe Ala Leu
           195           200           205
Val Leu Gly Trp Cys Asn Val Met Tyr Phe Ala Arg Gly Phe Gln Met
           210           215           220
Leu Gly Pro Phe Thr Ile Met Ile Gln Lys Met Ile Phe Gly Asp Leu
           225           230           235           240
Met
241

```

```

<210> 862
<211> 45
<212> Amino acid
<213> Homo sapiens

```

```

<400> 862
Glu Lys Ala Ala Ala Ala Asn Ile Asp Glu Val Gln Lys Ser Asp Val
  1           5           10           15
Ser Ser Thr Gly Gln Gly Val Ile Asp Lys Asp Ala Leu Gly Pro Met
           20           25           30
Met Leu Glu Val Ala His Leu His Phe Ser Ala Val Phe
           35           40           45

```

```

<210> 863
<211> 120
<212> Amino acid
<213> Homo sapiens

```

```

<400> 863
Leu Glu Val Pro Ser Glu Val Thr Pro Leu Gly Phe Ala Met Gln Ala
  1           5           10           15
Thr Lys Thr Leu Leu Leu Arg Thr Cys Cys Leu Gln Glu Phe Asn Ile
           20           25           30
Met Glu Lys Asn Lys Gly Trp Ala Leu Leu Gly Gly Lys Asp Gly His
           35           40           45

```

```

Leu Gln Gly Leu Phe Leu Leu Ala Asn Ala Leu Leu Glu Arg Asn Gln
   50          55          60
Leu Leu Ala Gln Lys Val Met Tyr Leu Leu Val Pro Leu Leu Asn Arg
   65          70          75          80
Gly Asn Asp Lys His Lys Leu Thr Ser Ala Gly Phe Phe Val Glu Leu
   85          90          95
Leu Arg Ser Pro Val Ala Lys Arg Leu Pro Ser Ile Tyr Ser Val Ala
   100         105         110
Arg Phe Lys Asp Trp Leu Gln Asp
   115         120

```

```

<210> 864
<211> 124
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> X = any amino acid or stop code

```

```

<400> 864
Arg Pro Ala Pro Ala Pro Ser Ala Ala Pro Glu Glu Ala Pro Ser Pro
   1          5          10          15
Gly Val Lys Gly Arg Gly Met Ala Lys Arg Arg Val Pro Ala Pro Val
   20          25          30
Trp Gly Gly Ala Gly Gly Gly Thr Lys Ser Ala Arg Arg Ala Ala Ala
   35          40          45
Ala Pro Asp Thr Glu Arg Ser Glu Glu Gly Gly Arg Ala Val Lys Glu
   50          55          60
Ala Tyr Pro Ser Ser Arg Gln Pro Pro Pro Pro Pro Xaa Pro Leu
   65          70          75          80
Arg Cys Ala Arg Arg Cys His Pro Asn Leu Ala Pro Ser Met Pro Ile
   85          90          95
Ser Asn Arg Glu Gly Lys Gly Lys Arg Arg Glu Glu Lys Ile Arg Pro
   100         105         110
Leu Ser Pro Ala Ser Thr His Thr Ser Ala Arg Ala
   115         120         124

```

```

<210> 865
<211> 120
<212> Amino acid
<213> Homo sapiens

```

```

<400> 865
Leu Gln Gly Val His Gly Ser Ser Ser Thr Phe Cys Ser Ser Leu Ser
   1          5          10          15
Ser Asp Phe Asp Pro Leu Glu Tyr Cys Ser Pro Lys Gly Asp Pro Gln
   20          25          30
Arg Val Asp Met Gln Pro Ser Val Thr Ser Arg Pro Arg Ser Leu Asp
   35          40          45
Ser Glu Val Pro Thr Gly Glu Thr Gln Val Ser Ser His Val His Tyr
   50          55          60
His Arg His Arg His His His Tyr Lys Lys Arg Phe Gln Arg His Gly

```

65		70		75		80									
Arg	Lys	Pro	Gly	Pro	Glu	Thr	Gly	Val	Pro	Gln	Ser	Arg	Pro	Pro	Ile
				85					90					95	
Pro	Arg	Thr	Gln	Pro	Gln	Pro	Glu	Pro	Pro	Ser	Pro	Asp	Gln	Gln	Val
			100					105					110		
Thr	Arg	Ser	Asn	Ser	Ala	Ala	Pro								
			115				120								

<210> 866
 <211> 82
 <212> Amino acid
 <213> Homo sapiens

<400> 866

Met	Ala	Asp	Pro	Asp	Pro	Arg	Tyr	Pro	Arg	Ser	Ser	Ile	Glu	Asp	Asp
1				5					10					15	
Phe	Asn	Tyr	Gly	Ser	Ser	Glu	Ala	Ser	Asp	Thr	Val	His	Ile	Arg	Met
			20					25					30		
Ala	Phe	Leu	Arg	Arg	Val	Tyr	Ser	Ile	Leu	Ser	Leu	Gln	Asp	Leu	Leu
		35				40						45			
Ala	Thr	Val	Thr	Ser	Thr	Asp	Asn	Leu	Ala	Phe	Glu	Asp	Gly	Arg	Thr
	50					55					60				
Asp	Trp	Leu	Gln	Arg	Pro	Asp	Cys	Val	Ser	Phe	Lys	Ile	His	Val	Leu
65					70					75				80	
Pro	Met														
	82														

<210> 867
 <211> 60
 <212> Amino acid
 <213> Homo sapiens

<400> 867

Ala	Gly	Met	Ser	Val	Val	Val	Pro	Pro	Ile	Gly	Ser	Ser	Tyr	Leu	
1				5				10					15		
Gly	Leu	Ile	Ser	Gln	Glu	His	Phe	Pro	Asn	Glu	Phe	Thr	Ser	Gly	Asp
			20					25					30		
Gly	Lys	Lys	Ala	His	Gln	Asp	Phe	Gly	Tyr	Phe	Tyr	Gly	Ser	Ser	Tyr
		35				40						45			
Val	Ala	Ala	Ser	Asp	Ser	Ser	Arg	Thr	Pro	Gly	Leu				
	50					55					60				

<210> 868
 <211> 78
 <212> Amino acid
 <213> Homo sapiens

<400> 868

Val	Ala	Ala	Ala	Leu	Thr	Leu	Phe	Pro	Gln	Gln	Leu	Ser	Pro	Pro	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

```

      1             5             10             15
Ala Trp Gly Leu Gly Leu Ser Ala Cys Phe Cys Cys Ala Glu Gly Phe
      20             25             30
Ser Arg Leu Asn Gln Gln Val Leu Ser Ser Ser Leu Leu Leu Ser
      35             40             45
Arg Thr Asn Cys Pro Cys Lys Tyr Ser Phe Leu Asp Asn Leu Lys Lys
      50             55             60
Leu Thr Pro Arg Arg Asp Val Pro Thr Tyr Pro Lys Val Arg
      65             70             75             78

```

<210> 869
 <211> 119
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 869
Arg Asp Asp Ala Cys Leu Tyr Ser Pro Ala Ser Ala Pro Glu Val Ile
      1             5             10             15
Thr Val Gly Ala Thr Asn Ala Gln Asp Gln Pro Val Thr Leu Gly Thr
      20             25             30
Leu Gly Thr Asn Phe Gly Arg Cys Val Asp Leu Phe Ala Pro Gly Glu
      35             40             45
Asp Ile Ile Gly Ala Ser Ser Asp Cys Ser Thr Cys Phe Val Ser Gln
      50             55             60
Ser Gly Thr Ser Gln Ala Ala Ala His Val Ala Gly Ile Ala Ala Met
      65             70             75             80
Met Leu Ser Ala Glu Pro Glu Leu Thr Leu Ala Glu Leu Arg Gln Arg
      85             90             95
Leu Ile His Phe Ser Ala Lys Asp Val Ile Asn Glu Ala Trp Phe Pro
      100             105             110
Glu Asp Gln Arg Val Leu Thr
      115             119

```

<210> 870
 <211> 34
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 870
Leu Glu Ile Lys Phe Leu Glu Gln Val Asp Gln Phe Tyr Asp Asp Asn
      1             5             10             15
Phe Pro Met Glu Ile Arg His Leu Leu Ala Gln Trp Ile Glu Asn Gln
      20             25             30
Asp Trp
      34

```

<210> 871
 <211> 154
 <212>Amino acid
 <213> Homo sapiens

<400> 871

```

Glu Ala Gly Asp Ala Asp Glu Asp Glu Ala Asp Ala Asn Ser Ser Asp
1          5          10          15
Cys Glu Pro Glu Gly Pro Val Glu Ala Glu Glu Pro Pro Gln Glu Asp
          20          25          30
Ser Ser Ser Gln Ser Asp Ser Val Glu Asp Arg Ser Glu Asp Glu Glu
          35          40          45
Asp Glu His Ser Glu Glu Glu Glu Thr Ser Gly Ser Ser Ala Ser Glu
          50          55          60
Glu Ser Glu Ser Glu Glu Ser Glu Asp Ala Gln Ser Gln Ser Gln Ala
65          70          75          80
Asp Glu Glu Glu Glu Asp Asp Asp Phe Gly Val Glu Tyr Leu Leu Ala
          85          90          95
Arg Asp Glu Glu Gln Ser Glu Ala Asp Ala Gly Ser Gly Pro Pro Thr
          100          105          110
Pro Gly Pro Thr Thr Leu Gly Pro Lys Lys Glu Ile Thr Asp Ile Ala
          115          120          125
Ala Ala Ala Glu Ser Leu Gln Pro Lys Gly Tyr Thr Leu Ala Thr Thr
          130          135          140
Gln Val Lys Thr Pro Ile Pro Leu Leu Leu
145          150          154

```

<210> 872

<211> 118

<212>Amino acid

<213> Homo sapiens

<400> 872

```

Leu Lys Asn Leu Arg Glu Leu Leu Leu Glu Asp Asn Gln Leu Pro Gln
1          5          10          15
Ile Pro Ser Gly Leu Pro Glu Ser Leu Thr Glu Leu Ser Leu Ile Gln
          20          25          30
Thr Asn Ile Tyr Asn Ile Thr Lys Glu Gly Ile Ser Arg Leu Ile Asn
          35          40          45
Leu Lys Asn Leu Tyr Leu Ala Trp Asn Cys Tyr Phe Asn Lys Val Cys
          50          55          60
Glu Lys Thr Asn Ile Glu Asp Gly Val Phe Glu Thr Leu Thr Asn Leu
65          70          75          80
Glu Leu Leu Ser Leu Ser Phe Asn Ser Leu Ser His Val Pro Pro Lys
          85          90          95
Leu Pro Ser Ser Leu Arg Lys Leu Phe Leu Ser Asn Thr Gln Ile Lys
          100          105          110
Tyr Ile Ser Glu Glu Asp
          115          118

```

<210> 873

<211> 42

<212>Amino acid

<213> Homo sapiens

<400> 873

```

Met Arg Ser Gln Ala Leu Gly Gln Ser Ala Pro Ser Leu Thr Ala Ser

```

```

      1             5             10             15
Leu Lys Glu Leu Ser Leu Pro Arg Arg Gly Ser Phe Pro Val Cys Pro
      20             25             30
Asn Ala Gly Arg Thr Ser Pro Leu Gly *
      35             40 41

```

```

<210> 874
<211> 70
<212> Amino acid
<213> Homo sapiens

```

```

      <400> 874
Leu Leu Cys Val Cys Leu Pro Val Gly Ala Cys Pro Ser Leu Ser Leu
      1             5             10             15
Leu Thr Ala Pro Leu Asn Gln Leu Met Arg Cys Leu Arg Lys Tyr Gln
      20             25             30
Ser Arg Thr Pro Ser Pro Leu Leu His Ser Val Pro Ser Glu Ile Val
      35             40             45
Phe Asp Phe Glu Pro Gly Pro Val Phe Arg Gly Ser Trp Ala Leu Leu
      50             55             60
Ser Trp Ser Thr Arg Pro
      65             70

```

```

<210> 875
<211> 41
<212> Amino acid
<213> Homo sapiens

```

```

      <400> 875
Gln Thr Pro Asp Lys Lys Gln Asn Asp Gln Arg Asn Arg Lys Arg Lys
      1             5             10             15
Ala Glu Pro Tyr Glu Thr Ser Gln Gly Ser Asn Asn Phe Val Ser Thr
      20             25             30
Lys Val Leu Asn Ser Asn Val Leu Arg
      35             40 41

```

```

<210> 876
<211> 139
<212> Amino acid
<213> Homo sapiens

```

```

      <400> 876
Tyr Phe Ile Ile Lys Gly Met Val Glu Leu Val Pro Ala Ser Asp Thr
      1             5             10             15
Leu Arg Lys Ile Gln Val Glu Tyr Gly Val Thr Gly Ser Phe Lys Asp
      20             25             30
Lys Pro Leu Ala Glu Trp Leu Arg Lys Tyr Asn Pro Ser Glu Glu Glu
      35             40             45
Tyr Glu Lys Ala Ser Glu Asn Phe Ile Tyr Ser Cys Ala Gly Cys Cys

```

50	55	60
Val Ala Thr Tyr Val	Leu Gly Ile Cys Asp Arg	His Asn Asp Asn Ile
65	70	75
Met Leu Arg Ser Thr	Gly His Met Phe His Ile	Asp Phe Gly Lys Phe
	85	90
Leu Gly His Ala Gln	Met Phe Gly Ser Phe	Lys Arg Asp Arg Ala Pro
	100	105
Phe Val Leu Thr Ser	Asp Met Ala Tyr Val	Ile Asn Gly Gly Glu Lys
	115	120
Pro Thr Ile Arg Phe	Gln Leu Phe Val Asp	Leu
130	135	139

<210> 877
 <211> 350
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> X = any amino acid or stop code

<400> 877

Pro Ser Pro Leu Pro	Ser Leu Ser Leu Pro	Pro Pro Val Ala Pro Gly
1	5	10
Gly Gln Glu Ser Pro	Ser Pro His Thr Ala Glu Val Glu Ser Glu Ala	15
	20	25
Ser Pro Pro Pro Ala	Arg Pro Leu Pro Gly Glu Ala Arg Leu Ala Pro	30
	35	40
Ile Ser Glu Glu Gly	Lys Pro Gln Leu Val Gly Arg Phe Gln Val Thr	45
	50	55
Ser Ser Lys Asn Arg	Leu Ser Leu Phe Pro Cys Ser Gln His Pro Pro	60
65	70	75
Leu Ser Leu Val Leu	Gln Asn Leu Gln Pro Leu Ser Ser Leu Gln Arg	80
	85	90
Ala Gln Ile Gln Arg	Thr Val Pro Gly Gly Gly Pro Glu Thr Arg Glu	95
	100	105
Ala Leu Ala Glu Ser	Asp Arg Ala Ala Glu Gly Leu Gly Ala Gly Val	110
	115	120
Glu Glu Glu Gly Asp	Asp Gly Lys Glu Pro Gln Val Gly Gly Ser Pro	125
	130	135
Gln Pro Leu Ser His	Pro Ser Pro Val Trp Met Asn Tyr Ser Tyr Ser	140
145	150	155
Ser Leu Cys Leu Ser	Ser Glu Glu Ser Glu Ser Ser Gly Glu Asp Glu	160
	165	170
Glu Phe Trp Ala Glu	Leu Gln Ser Leu Arg Gln Lys His Leu Ser Glu	175
	180	185
Val Glu Thr Leu Gln	Thr Leu Gln Lys Lys Glu Ile Glu Asp Leu Tyr	190
	195	200
Ser Arg Leu Gly Lys	Gln Pro Pro Gly Ile Val Ala Pro Ala Ala	205
210	215	220
Met Leu Ser Ser Arg	Gln Arg Arg Leu Ser Lys Gly Ser Phe Pro Thr	225
	230	235
Ser Arg Arg Asn Ser	Leu Gln Arg Ser Glu Pro Pro Gly Pro Gly Glu	240
	245	250
Thr Ala Gly His Pro	Ala Ser Ile Phe Ser Leu Arg Pro Leu Ser Val	255
	260	265
Asp Cys Phe Ser Pro	Gly Pro Gly Gly Leu Pro Arg Gly Asn Arg Pro	270
275	280	285

```

Pro Leu Pro Thr Ser Pro Phe Leu Thr Xaa Cys Ser Pro Ser Pro His
290                295                300
Thr Ala Glu Val Glu Ser Glu Ala Ser Pro Pro Pro Ala Arg Pro Leu
305                310                315                320
Pro Gly Glu Ala Arg Leu Ala Pro Ile Ser Glu Glu Gly Lys Pro Gln
                325                330                335
Leu Val Gly Arg Phe Pro Ser Asp Phe Ile Gln Gly Thr Gly
                340                345                350

```

<210> 878
 <211> 112
 <212> Amino acid
 <213> Homo sapiens

```

<400> 878
Arg Arg Phe Val Ser Gln Glu Thr Gly Asn Leu Tyr Ile Ala Lys Val
1          5          10          15
Glu Lys Ser Asp Val Gly Asn Tyr Thr Cys Val Val Thr Asn Thr Val
20          25          30
Thr Asn His Lys Val Leu Gly Pro Pro Thr Pro Leu Ile Leu Arg Asn
35          40          45
Asp Gly Val Met Gly Glu Tyr Glu Pro Lys Ile Glu Val Gln Phe Pro
50          55          60
Glu Thr Val Pro Thr Ala Lys Gly Ala Thr Val Lys Leu Glu Cys Phe
65          70          75          80
Ala Leu Gly Asn Pro Val Pro Thr Ile Ile Trp Arg Arg Ala Asp Gly
85          90          95
Lys Pro Ile Ala Arg Lys Ala Arg Arg His Lys Ser Arg Val Gly Lys
100         105         110         112

```

<210> 879
 <211> 282
 <212> Amino acid
 <213> Homo sapiens

```

<400> 879
Met Leu Arg Thr Cys Tyr Val Leu Cys Ser Gln Ala Gly Pro Arg Ser
1          5          10          15
Arg Gly Trp Gln Ser Leu Ser Phe Asp Gly Gly Ala Phe His Leu Lys
20          25          30
Gly Thr Gly Glu Leu Thr Arg Ala Leu Leu Val Leu Arg Leu Cys Ala
35          40          45
Trp Pro Pro Leu Val Thr His Gly Leu Leu Leu Ala Trp Ser Arg
50          55          60
Arg Leu Leu Gly Ser Arg Leu Ser Gly Ala Phe Leu Arg Ala Ser Val
65          70          75          80
Tyr Gly Gln Phe Val Ala Gly Glu Thr Ala Glu Glu Val Lys Gly Cys
85          90          95
Val Gln Gln Leu Arg Thr Leu Ser Leu Arg Pro Leu Leu Ala Val Pro
100         105         110
Thr Glu Glu Glu Pro Asp Ser Ala Ala Lys Ser Gly Glu Ala Trp Tyr
115         120         125

```

```

Glu Gly Asn Leu Gly Ala Met Leu Arg Cys Val Asp Leu Ser Arg Gly
 130          135          140
Leu Leu Glu Pro Pro Ser Leu Ala Glu Ala Ser Leu Met Gln Leu Lys
 145          150          155          160
Val Thr Ala Leu Thr Ser Thr Arg Leu Cys Lys Glu Leu Ala Ser Trp
          165          170          175
Val Arg Arg Pro Gly Ala Ser Leu Glu Leu Ser Pro Glu Arg Leu Ala
          180          185          190
Glu Ala Met Asp Ser Gly Gln Asn Leu Gln Val Ser Cys Leu Asn Ala
          195          200          205
Glu Gln Asn Gln His Leu Arg Ala Ser Leu Ser Arg Leu His Arg Val
          210          215          220
Ala Gln Tyr Ala Arg Ala Gln His Val Arg Leu Leu Val Asp Ala Glu
 225          230          235          240
Tyr Thr Ser Leu Asn Pro Ala Leu Ser Leu Leu Val Ala Ala Leu Ala
          245          250          255
Val Arg Trp Asn Ser Pro Gly Glu Gly Gly Pro Trp Val Trp Asn Thr
          260          265          270
Tyr Gln Ala Cys Leu Lys Asp Thr Phe *
          275          280 281

```

```

<210> 880
<211> 29
<212>Amino acid
<213> Homo sapiens

```

```

<400> 880
Pro His His Arg Ile Ala Gly Asp Thr Ala Ile Asp Lys Asn Ile His
 1          5          10          15
Gln Ser Val Ser Glu Gln Ile Lys Lys Asn Phe Ala Lys
          20          25          29

```

```

<210> 881
<211> 45
<212>Amino acid
<213> Homo sapiens

```

```

<400> 881
Gln Met Thr Asn Pro Phe Phe Leu Cys Phe Thr Thr Met Ile Ser Asn
 1          5          10          15
Cys Asn Phe Phe Lys Gly Pro Pro Gly Pro Pro Gly Glu Lys Gly Asp
          20          25          30
Arg Gly Pro Thr Gly Glu Ser Gly Pro Arg Gly Phe Pro
          35          40          45

```

```

<210> 882
<211> 54
<212>Amino acid
<213> Homo sapiens

```

<400> 882

```

Asn Gly Ile Ile Ala Ser Phe Phe Leu Arg Thr Phe Ile Phe Cys Phe
 1           5           10           15
Ile His Ile Gln Gly Cys Gln Ala Gly Gln Thr Ile Lys Val Gln Val
           20           25           30
Ser Phe Asp Leu Leu Ser Leu Met Phe Thr Phe Val Ser Pro Cys Thr
           35           40           45
Asn Asp Leu Ile Ile His
 50           54

```

<210> 883

<211> 479

<212> Amino acid

<213> Homo sapiens

<400> 883

```

Lys Leu Ser Val Asn His Arg Arg Thr His Leu Thr Lys Leu Met His
 1           5           10           15
Thr Val Glu Gln Ala Thr Leu Arg Ile Ser Gln Ser Phe Gln Lys Thr
           20           25           30
Thr Glu Phe Asp Thr Asn Ser Thr Asp Ile Ala Leu Lys Val Phe Phe
           35           40           45
Phe Asp Ser Tyr Asn Met Lys His Ile His Pro His Met Asn Met Asp
           50           55           60
Gly Asp Tyr Ile Asn Ile Phe Pro Lys Arg Lys Ala Ala Tyr Asp Ser
           65           70           75           80
Asn Gly Asn Val Ala Val Ala Phe Leu Tyr Tyr Lys Ser Ile Gly Pro
           85           90           95
Leu Leu Ser Ser Ser Asp Asn Phe Leu Leu Lys Pro Gln Asn Tyr Asp
           100          105          110
Asn Ser Glu Glu Glu Glu Arg Val Ile Ser Ser Val Ile Ser Val Ser
           115          120          125
Met Ser Ser Asn Pro Pro Thr Leu Tyr Glu Leu Glu Lys Ile Thr Phe
           130          135          140
Thr Leu Ser His Arg Lys Val Thr Asp Arg Tyr Arg Ser Leu Cys Ala
           145          150          155          160
Phe Trp Asn Tyr Ser Pro Asp Thr Met Asn Gly Ser Trp Ser Ser Glu
           165          170          175
Gly Cys Glu Leu Thr Tyr Ser Asn Glu Thr His Thr Ser Cys Arg Cys
           180          185          190
Asn His Leu Thr His Phe Ala Ile Leu Met Ser Ser Gly Pro Ser Ile
           195          200          205
Gly Ile Lys Asp Tyr Asn Ile Leu Thr Arg Ile Thr Gln Leu Gly Ile
           210          215          220
Ile Ile Ser Leu Ile Cys Leu Ala Ile Cys Ile Phe Thr Phe Trp Phe
           225          230          235          240
Phe Ser Glu Ile Gln Ser Thr Arg Thr Thr Ile His Lys Asn Leu Cys
           245          250          255
Cys Ser Leu Phe Leu Ala Glu Leu Val Phe Leu Val Gly Ile Asn Thr
           260          265          270
Asn Thr Asn Lys Leu Phe Cys Ser Ile Ile Ala Gly Leu Leu His Tyr
           275          280          285
Phe Phe Leu Ala Ala Phe Ala Trp Met Cys Ile Glu Gly Ile His Leu
           290          295          300
Tyr Leu Ile Val Val Gly Val Ile Tyr Asn Lys Gly Phe Leu His Lys
           305          310          315          320
Asn Phe Tyr Ile Phe Gly Tyr Leu Ser Pro Ala Val Val Val Gly Phe
           325          330          335

```

```

Ser Ala Ala Leu Gly Tyr Arg Tyr Tyr Gly Thr Thr Lys Val Cys Trp
      340      345      350
Leu Ser Thr Glu Asn Asn Phe Ile Trp Ser Phe Ile Gly Pro Ala Cys
      355      360      365
Leu Ile Ile Leu Val Asn Leu Leu Ala Phe Gly Val Ile Ile Tyr Lys
      370      375      380
Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser Cys Phe Glu
      385      390      395      400
Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu Ala Leu Phe Leu Leu
      405      410      415
Gly Thr Thr Trp Ile Phe Gly Val Leu His Val Val His Ala Ser Val
      420      425      430
Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln Gly Met Phe
      435      440      445
Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu Glu Tyr
      450      455      460
Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys Phe Gly Cys Leu Arg
      465      470      475      479

```

<210> 884
 <211> 143
 <212> Amino acid
 <213> Homo sapiens

```

      <400> 884
Gly Thr Arg Glu Ala Ala Pro Ser Arg Phe Met Phe Leu Leu Phe Leu
  1      5      10      15
Leu Thr Cys Glu Leu Ala Ala Glu Val Ala Ala Glu Val Glu Lys Ser
      20      25      30
Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro Thr Trp Leu Thr Asp Val
      35      40      45
Pro Ala Ala Met Glu Phe Ile Ala Ala Thr Glu Val Ala Val Ile Gly
      50      55      60
Phe Phe Gln Asp Leu Glu Ile Pro Ala Val Pro Ile Leu His Ser Met
      65      70      75      80
Val Gln Lys Phe Pro Gly Val Ser Phe Gly Ile Ser Thr Asp Ser Glu
      85      90      95
Val Leu Thr His Tyr Asn Ile Thr Gly Asn Thr Ile Cys Leu Phe Arg
      100      105      110
Leu Val Asp Asn Glu Gln Leu Asn Leu Glu Asp Glu Asp Ile Glu Ser
      115      120      125
Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile Glu Ile Asn Ser Leu
      130      135      140      143

```

<210> 885
 <211> 52
 <212> Amino acid
 <213> Homo sapiens

```

      <400> 885
Asp Glu Thr Ser Gly Leu Ile Val Arg Glu Val Ser Ile Glu Ile Ser
  1      5      10      15
Arg Gln Gln Val Glu Leu Phe Gly Pro Glu Asp Tyr Trp Cys Gln
      20      25      30

```

Cys Val Ala Trp Ser Ser Ala Gly Thr Thr Lys Ser Arg Lys Ala Tyr
 35 40 45
 Val Arg Ile Ala
 50 52

<210> 886
 <211> 40
 <212> Amino acid
 <213> Homo sapiens

<400> 886
 Gly Thr Arg Ser Ile His Val Lys Leu Asp Val Gly Lys Leu His Thr
 1 5 10 15
 Gln Pro Lys Leu Ala Ala Gln Leu Arg Met Val Asp Asp Gly Ser Gly
 20 25 30
 Lys Val Glu Gly Leu Pro Gly Ile
 35 40

<210> 887
 <211> 177
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(177)
 <223> X = any amino acid or stop code

<400> 887
 Xaa Cys Gly Glu Asp Gly Ser Phe Thr Gln Val Gln Cys His Thr Tyr
 1 5 10 15
 Thr Gly Tyr Cys Trp Cys Val Thr Pro Asp Gly Lys Pro Ile Ser Gly
 20 25 30
 Ser Ser Val Gln Asn Lys Thr Pro Val Cys Ser Gly Ser Val Thr Asp
 35 40 45
 Lys Pro Leu Ser Gln Gly Asn Ser Gly Arg Lys Asp Asp Gly Ser Lys
 50 55 60
 Pro Thr Pro Thr Met Glu Thr Gln Pro Val Phe Asp Gly Asp Glu Ile
 65 70 75 80
 Thr Ala Pro Thr Leu Trp Ile Lys His Leu Val Ile Lys Asp Ser Lys
 85 90 95
 Leu Asn Asn Thr Asn Ile Arg Asn Ser Glu Lys Val Tyr Ser Cys Asp
 100 105 110
 Gln Glu Arg Gln Ser Ala Leu Glu Glu Ala Gln Gln Asn Pro Arg Glu
 115 120 125
 Gly Ile Val Ile Pro Glu Cys Ala Pro Gly Gly Leu Tyr Lys Pro Val
 130 135 140
 Gln Cys His Gln Ser Thr Gly Tyr Cys Trp Cys Val Leu Val Asp Thr
 145 150 155 160
 Gly Arg Pro Leu Pro Gly Thr Ser Thr Arg Tyr Val Met Pro Ser Xaa
 165 170 175 176

*

<210> 888
 <211> 48
 <212> Amino acid
 <213> Homo sapiens

<400> 888
 Val Leu Gln Leu Ile Lys Ser Gln Lys Phe Leu Asn Lys Leu Val Ile
 1 5 10 15
 Leu Val Glu Thr Glu Lys Glu Lys Ile Leu Arg Lys Glu Tyr Val Phe
 20 25 30
 Ala Asp Ser Lys Val Ser Asp Ser Lys Leu Leu Lys Trp Ala Val Arg
 35 40 45 48

<210> 889
 <211> 316
 <212> Amino acid
 <213> Homo sapiens

<400> 889
 Arg Arg Leu Ser Leu Leu Asp Leu Gln Leu Gly Pro Leu Gly Arg Asp
 1 5 10 15
 Pro Pro Gln Glu Cys Ser Thr Phe Ser Pro Thr Asp Ser Gly Glu Glu
 20 25 30
 Pro Gly Gln Leu Ser Pro Gly Val Gln Phe Gln Arg Arg Gln Asn Gln
 35 40 45
 Arg Arg Phe Ser Met Glu Asp Val Ser Lys Arg Leu Ser Leu Pro Met
 50 55 60
 Asp Ile Arg Leu Pro Gln Glu Phe Leu Gln Lys Leu Gln Met Glu Ser
 65 70 75 80
 Pro Asp Leu Pro Lys Pro Leu Ser Arg Met Ser Arg Arg Ala Ser Leu
 85 90 95
 Ser Asp Ile Gly Phe Gly Lys Leu Glu Thr Tyr Val Lys Leu Asp Lys
 100 105 110
 Leu Gly Glu Gly Thr Tyr Ala Thr Val Phe Lys Gly Arg Ser Lys Leu
 115 120 125
 Thr Glu Asn Leu Val Ala Leu Lys Glu Ile Arg Leu Glu His Glu Glu
 130 135 140
 Gly Ala Pro Cys Thr Ala Ile Arg Glu Val Ser Leu Leu Lys Asn Leu
 145 150 155 160
 Lys His Ala Asn Ile Val Thr Leu His Asp Leu Ile His Thr Asp Arg
 165 170 175
 Ser Leu Thr Leu Val Phe Glu Tyr Leu Asp Ser Asp Leu Lys Gln Tyr
 180 185 190
 Leu Asp His Cys Gly Asn Leu Met Ser Met His Asn Val Lys Val Arg
 195 200 205
 Pro Arg Gly Gln Gly Pro Pro Ile Leu Ala Ala Thr Cys Pro Glu Ala
 210 215 220
 Gln Cys Gly Asp Pro Leu Ser Pro Pro Gly Ile Arg Leu Leu Arg Trp
 225 230 235 240
 Leu Lys Pro Ser His Val Gly Lys Arg Glu Arg Ala Met Pro Ser Thr
 245 250 255
 Ser Pro Gly Thr Gly Leu Ser Ala Leu Pro Gln Glu Gln Thr His Thr

260										265					270				
Val	Cys	His	Cys	Leu	Ala	Val	Gly	Ile	Lys	Pro	Thr	Leu	Asn	Ser	Glu				
275										280					285				
His	Gln	Phe	Pro	Ser	Leu	Ser	Asn	Gly	Ser	Val	Ser	Tyr	Leu	Pro	Lys				
290										295					300				
Cys	Arg	Glu	Ala	Ser	Gly	Glu	Ala	Arg	Gly	Tyr	Glu								
305										310					315 316				

```
<210> 890
<211> 34
<212> Amino acid
<213> Homo sapiens
```

```
<400> 890
His Glu Arg His Glu Pro Ser Pro Thr Ala Leu Ala Phe Gly Asp His
   1           5          10          15
Pro Ile Val Gln Pro Lys Gln Leu Ser Phe Lys Ile Ile Gln Val Asn
   20                25                30
Asp Asn
    34
```

```
<210> 891
<211> 68
<212> Amino acid
<213> Homo sapiens
```

[illegible]

```
<210> 892
<211> 38
<212> Amino acid
<213> Homo sapiens
```

<400> 892

Gly Thr Arg	Lys Glu Glu Phe Ser	Ala Glu Glu Asn Phe	Leu Ile Leu
1	5	10	15
Thr Glu Met	Ala Thr Asn His Val	Gln Val Leu Val Glu	Phe Thr Lys
	20	25	30
Lys Leu Pro	Gly Ile Phe		

35

38

<210> 893
 <211> 195
 <212> Amino acid
 <213> Homo sapiens

<400> 893
 His Thr His Lys Leu Val Ala Pro Arg Pro Gly Leu Pro Pro Thr Ser
 1 5 10 15
 Gln Trp Pro Arg Asp Ala Gly Arg Gln Ala Ser Gly Gly Leu Pro Ser
 20 25 30
 Leu Ser Thr Gly Pro Pro Lys Gly Pro Arg Asp Gly Leu Ala Arg Gly
 35 40 45
 His Pro Ala Glu Trp Leu Ala Gly Ser Pro Gly Asn Asn Ser Pro Thr
 50 55 60
 Gln Gly Ser Leu Pro Pro Gln Leu Asp Leu Tyr Ala Gly Ala Leu Phe
 65 70 75 80
 Val His Ile Cys Leu Gly Trp Asn Phe Tyr Leu Ser Thr Ile Leu Thr
 85 90 95
 Leu Gly Ile Thr Ala Leu Tyr Thr Ile Ala Gly Met Val Pro Ala Ala
 100 105 110
 Gly Arg Ser Thr Gln Gly Thr Cys Lys Gly Val Arg Arg Pro Pro Pro
 115 120 125
 Pro Thr Gly Pro Arg Glu Gln Pro Arg Lys Trp Pro Gln Gln Glu Pro
 130 135 140
 Gln Lys Phe Leu Pro Val Ser Leu Leu Pro Gly Ala Arg Ala Pro Ser
 145 150 155 160
 Ser Asn Leu Ala Ser Thr Gly Arg Gly Pro Gly Cys Cys Asn Leu His
 165 170 175
 Gly Arg Pro Ala Asp Ala His His Gly Gly Gly Cys His Pro Asp
 180 185 190
 Asn Gln Arg
 195

<210> 894
 <211> 87
 <212> Amino acid
 <213> Homo sapiens

<400> 894
 Met Val Asn His Ser Leu Gln Glu Thr Ser Glu Gln Asn Val Ile Leu
 1 5 10 15
 Gln His Thr Leu Gln Gln Gln Gln Met Leu Gln Gln Glu Thr Ile
 20 25 30
 Arg Asn Gly Glu Leu Glu Asp Thr Gln Thr Lys Leu Glu Lys Gln Val
 35 40 45
 Ser Lys Leu Glu Gln Glu Leu Gln Lys Gln Arg Glu Ser Ser Ala Glu
 50 55 60
 Lys Leu Arg Lys Met Glu Glu Lys Cys Glu Ser Ala Ala His Glu Ala
 65 70 75 80
 Asp Leu Lys Arg Gln Lys *
 85 86

<210> 895
 <211> 49
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(49)
 <223> X = any amino acid or stop code

<400> 895
 Val Cys Pro Lys Trp Cys Arg Phe Leu Thr Met Leu Gly His Cys Cys
 1 5 10 15
 Tyr Phe Trp His Val Trp Pro Ala Ser Xaa Ala Leu Ser Ala Gly Pro
 20 25 30
 Thr Pro Thr Ser Arg Ser Phe Ser Pro Ser Pro Leu Arg Ser Ile Ser
 35 40 45
 Thr
 49

<210> 896
 <211> 128
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(128)
 <223> X = any amino acid or stop code

<400> 896
 Met Arg Gly Pro Pro Val Leu Leu Leu Gln Ala Ala Pro Met Glu Cys
 1 5 10 15
 Pro Val Pro Gln Gly Ile Pro Ala Gly Ser Ser Pro Glu Pro Ala Pro
 20 25 30
 Asp Pro Pro Gly Pro His Phe Leu Arg Gln Glu Arg Ser Phe Glu Cys
 35 40 45
 Arg Met Cys Gly Lys Ala Phe Lys Arg Ser Ser Thr Leu Ser Thr His
 50 55 60
 Leu Leu Ile His Ser Asp Thr Arg Pro Tyr Pro Cys Gln Phe Cys Gly
 65 70 75 80
 Lys Arg Phe His Gln Lys Ser Asp Met Lys Lys His Thr Tyr Ile His
 85 90 95
 Thr Gly Glu Lys Pro His Lys Cys Gln Thr Gln Arg Glu Pro Thr Met
 100 105 110
 Val Leu Ser Pro Ala Asp Lys Thr Asn Val Lys Ala Ala Trp Xaa *
 115 120 125 127

<210> 897
 <211> 57
 <212> Amino acid
 <213> Homo sapiens

<400> 897
 His Glu Gln Leu Thr Asn Asn Thr Ala Thr Ala Pro Ser Ala Thr Pro
 1 5 10 15
 Val Phe Gly Gln Val Ala Ala Ser Thr Ala Pro Ser Leu Phe Gly Gln
 20 25 30
 Gln Thr Gly Ile Thr Ala Ser Thr Ala Val Ala Thr Pro Gln Val Ile
 35 40 45
 Ser Ser Arg Phe Ile Asn Leu Asp Phe
 50 55 57

<210> 898
 <211> 163
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(163)
 <223> X = any amino acid or stop code

<400> 898
 Val Ser Val Phe Lys Asn Cys Pro Met Tyr Xaa Ile Cys Ile Phe Leu
 1 5 10 15
 Thr Lys Met Phe Cys Val Leu Ile Ile Xaa Asn Lys Phe Xaa Val His
 20 25 30
 Lys Lys Pro Leu Gln Glu Val Glu Ile Ala Ala Ile Thr His Gly Ala
 35 40 45
 Leu Gln Gly Leu Ala Tyr Leu His Ser His Thr Met Ile His Arg Asp
 50 55 60
 Ile Lys Ala Gly Asn Ile Leu Leu Thr Glu Pro Gly Gln Val Lys Leu
 65 70 75 80
 Ala Asp Phe Gly Ser Ala Ser Met Ala Ser Pro Ala Asn Ser Phe Val
 85 90 95
 Gly Thr Pro Tyr Trp Met Ala Pro Glu Val Ile Leu Ala Met Asp Glu
 100 105 110
 Gly Gln Tyr Asp Gly Lys Val Asp Val Trp Ser Leu Gly Ile Thr Cys
 115 120 125
 Ile Glu Leu Ala Glu Arg Lys Pro Pro Leu Phe Asn Met Asn Ala Met
 130 135 140
 Ser Ala Leu Tyr His Ile Ala Gln Asn Glu Ser Pro Thr Leu Gln Ser
 145 150 155 160
 Asn Glu Trp
 163

<210> 899
 <211> 352
 <212> Amino acid
 <213> Homo sapiens

<400> 899

```

Arg His Ala Arg Pro Gly Gly Gly Gly His Ser Asn Gln Arg Lys Met
1      5      10      15
Ser Leu Glu Gln Glu Glu Thr Gln Pro Gly Arg Leu Leu Gly Arg
20      25      30
Arg Asp Ala Val Pro Ala Phe Ile Glu Pro Asn Val Arg Phe Trp Ile
35      40      45
Thr Glu Arg Gln Ser Phe Ile Arg Arg Phe Leu Gln Trp Thr Glu Leu
50      55      60
Leu Asp Pro Thr Asn Val Phe Ile Ser Val Glu Ser Ile Glu Asn Ser
65      70      75      80
Arg Gln Leu Leu Cys Thr Asn Glu Asp Val Ser Ser Pro Ala Ser Ala
85      90      95
Asp Gln Arg Ile Gln Glu Ala Trp Lys Arg Ser Leu Ala Thr Val His
100     105     110
Pro Asp Ser Ser Asn Leu Ile Pro Lys Leu Phe Arg Pro Ala Ala Phe
115     120     125
Leu Pro Phe Met Ala Pro Thr Val Phe Leu Ser Met Thr Pro Leu Lys
130     135     140
Gly Ile Lys Ser Val Ile Leu Pro Gln Val Phe Leu Cys Ala Tyr Met
145     150     155     160
Ala Ala Phe Asn Ser Ile Asn Gly Asn Arg Ser Tyr Thr Cys Lys Pro
165     170     175
Leu Glu Arg Ser Leu Leu Met Ala Gly Ala Val Ala Ser Ser Thr Phe
180     185     190
Leu Gly Val Ile Pro Gln Phe Val Gln Met Lys Tyr Gly Leu Thr Gly
195     200     205
Pro Trp Ile Lys Arg Leu Leu Pro Val Ile Phe Leu Val Gln Ala Ser
210     215     220
Gly Met Asn Val Tyr Met Ser Arg Ser Leu Glu Ser Ile Lys Gly Ile
225     230     235     240
Ala Val Met Asp Lys Glu Gly Asn Val Leu Gly His Ser Arg Ile Ala
245     250     255
Gly Thr Lys Ala Val Arg Glu Thr Leu Ala Ser Arg Ile Val Leu Phe
260     265     270
Gly Thr Ser Ala Leu Ile Pro Glu Val Phe Thr Tyr Phe Phe Lys Arg
275     280     285
Thr Gln Tyr Phe Arg Lys Asn Pro Gly Ser Leu Trp Ile Leu Lys Leu
290     295     300
Ser Cys Thr Val Leu Ala Met Gly Leu Met Val Pro Phe Ser Phe Ser
305     310     315     320
Ile Phe Pro Gln Ile Gly Gln Ile Gln Tyr Cys Ser Leu Glu Glu Lys
325     330     335
Ile Gln Ser Pro Thr Glu Glu Thr Glu Ile Phe Tyr His Arg Gly Val
340     345     350     352

```

<210> 900
 <211> 186
 <212> Amino acid
 <213> Homo sapiens

```

<400> 900
His Ala Ser Gly Arg Leu Glu Val Phe Tyr Asn Gly Thr Trp Gly Ser
1      5      10      15
Val Gly Arg Arg Asn Ile Thr Thr Ala Ile Ala Gly Ile Val Cys Arg
20      25      30
Gln Leu Gly Cys Gly Glu Asn Gly Val Val Ser Leu Ala Pro Leu Ser
35      40      45

```

```

Lys Thr Gly Ser Gly Phe Met Trp Val Asp Asp Ile Gln Cys Pro Lys
  50          55          60
Thr His Ile Ser Ile Trp Gln Cys Leu Ser Ala Pro Trp Glu Arg Arg
  65          70          75
Ile Ser Ser Pro Ala Glu Glu Thr Trp Ile Thr Cys Glu Asp Arg Ile
          85          90          95
Arg Val Arg Gly Gly Asp Thr Glu Cys Ser Gly Arg Val Glu Ile Trp
          100          105          110
His Ala Gly Ser Trp Gly Thr Val Cys Asp Asp Ser Trp Asp Leu Ala
          115          120          125
Glu Ala Glu Val Val Cys Gln Gln Leu Gly Cys Gly Ser Ala Leu Ala
          130          135          140
Ala Leu Arg Asp Ala Ser Phe Gly Gln Gly Thr Gly Thr Ile Trp Leu
          145          150          155
Asp Asp Met Arg Cys Lys Gly Asn Glu Ser Phe Leu Trp Asp Cys His
          165          170          175
Ala Lys Pro Trp Gly Gln Ser Asp Cys Gly
          180          185 186

```

<210> 901
 <211> 365
 <212> Amino acid
 <213> Homo sapiens

```

<400> 901
Leu Gly Asp Phe Pro Gln Pro Gln Arg Gln Arg Arg Pro Gly Ala Ser
  1          5          10          15
Asp Leu Pro Pro His Leu Ala Gly Ala Arg Gln Trp Glu Val Arg Phe
          20          25          30
Phe Arg His Leu Pro Ala Arg Thr Leu Pro Pro Ser Leu Arg Met Pro
          35          40          45
Glu Gly Pro Glu Leu His Leu Ala Ser Gln Phe Val Asn Glu Ala Cys
          50          55          60
Arg Ala Leu Val Phe Gly Gly Cys Val Glu Lys Ser Ser Val Ser Arg
          65          70          75          80
Asn Pro Glu Val Pro Phe Glu Ser Ser Ala Tyr Arg Ile Ser Ala Ser
          85          90          95
Ala Arg Gly Lys Glu Leu Arg Leu Ile Leu Ser Pro Leu Pro Gly Ala
          100          105          110
Gln Pro Gln Gln Glu Pro Leu Ala Leu Val Phe Arg Phe Gly Met Ser
          115          120          125
Gly Ser Phe Gln Leu Val Pro Arg Glu Glu Leu Pro Arg His Ala His
          130          135          140
Leu Arg Phe Tyr Thr Ala Pro Pro Gly Pro Arg Leu Ala Leu Cys Phe
          145          150          155          160
Val Asp Ile Arg Arg Phe Gly Arg Trp Asp Leu Gly Gly Lys Trp Gln
          165          170          175
Pro Gly Arg Gly Pro Cys Val Leu Gln Glu Tyr Gln Gln Phe Arg Glu
          180          185          190
Asn Val Leu Arg Asn Leu Ala Asp Lys Ala Phe Asp Arg Pro Ile Cys
          195          200          205
Glu Ala Leu Leu Asp Gln Arg Phe Phe Asn Gly Ile Gly Asn Tyr Leu
          210          215          220
Arg Ala Glu Ile Leu Tyr Arg Leu Lys Ile Pro Pro Phe Glu Lys Ala
          225          230          235          240
Arg Ser Val Leu Glu Ala Leu Gln Gln His Arg Pro Ser Pro Glu Leu
          245          250          255
Thr Leu Ser Gln Lys Ile Arg Thr Lys Leu Gln Asn Pro Asp Leu Leu
          260          265          270

```

```

Leu Leu Cys His Ser Val Pro Lys Glu Val Val Gln Leu Gly Gly Arg
 275      280
Gly Tyr Gly Ser Glu Ser Gly Glu Glu Asp Phe Ala Ala Phe Arg Ala
 290      295      300
Trp Leu Arg Cys Tyr Gly Met Pro Gly Met Ser Ser Leu Gln Asp Arg
 305      310      315      320
His Gly Arg Thr Ile Trp Phe Gln Gly Asp Pro Gly Pro Leu Ala Pro
      325      330      335
Lys Gly Arg Lys Ser Arg Lys Lys Lys Ser Lys Ala Thr Gln Leu Ser
      340      345      350
Pro Glu Asp Arg Val Glu Asp Ala Leu Pro Pro Ser Lys
      355      360      365

```

```

<210> 902
<211> 110
<212>Amino acid
<213> Homo sapiens

```

```

<400> 902
Leu Thr Trp Ser Ala Cys Tyr Trp Arg Asp Ile Leu Arg Ile Gln Leu
 1      5      10      15
Trp Ile Ala Ala Asp Ile Leu Leu Arg Met Leu Glu Lys Ala Leu Leu
      20      25      30
Tyr Ser Glu His Gln Asn Ile Ser Asn Thr Gly Leu Ser Ser Gln Gly
      35      40      45
Leu Leu Ile Phe Ala Glu Leu Ile Pro Ala Ile Lys Arg Thr Leu Ala
      50      55      60
Arg Leu Leu Val Ile Ile Ala Ser Leu Asp Tyr Gly Ile Glu Lys Pro
      65      70      75      80
His Leu Gly Thr Gly Met His Arg Val Ile Gly Leu Met Leu Leu Tyr
      85      90      95
Leu Ile Phe Ala Asn Ala Glu Ser Val Ile Arg Val Ile Gly
      100      105      110

```

```

<210> 903
<211> 44
<212>Amino acid
<213> Homo sapiens

```

```

<400> 903
Phe Phe Phe Glu Met Glu Ser Arg Ser Ala Ala Gln Ala Gly Val Gln
 1      5      10      15
Trp Cys Asn Leu Gly Ser Leu Gln Ala Leu Pro Pro Arg Phe Thr Pro
      20      25      30
Phe Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr
      35      40      44

```

```

<210> 904
<211> 190
<212>Amino acid
<213> Homo sapiens

```


<400> 904

```

Tyr Glu Cys Glu Glu Leu Ala Lys Lys Leu Glu Asn Ser Gln Arg Asp
 1           5           10           15
Gly Ile Ser Arg Asn Lys Leu Ala Leu Ala Glu Leu Tyr Glu Asp Glu
          20           25           30
Val Lys Cys Lys Ser Ser Lys Ser Asn Arg Pro Lys Ala Thr Val Phe
          35           40           45
Lys Ser Pro Arg Thr Pro Pro Gln Arg Phe Tyr Ser Ser Glu His Glu
          50           55           60
Tyr Ser Gly Leu Asn Ile Val Arg Pro Ser Thr Gly Lys Ile Val Asn
          65           70           75           80
Glu Leu Phe Lys Glu Ala Arg Glu His Gly Ala Val Pro Leu Asn Glu
          85           90           95
Ala Thr Arg Ala Ser Gly Asp Asp Lys Ser Lys Ser Phe Thr Gly Gly
          100           105           110
Gly Tyr Arg Leu Gly Ser Ser Phe Cys Lys Arg Ser Glu Tyr Ile Tyr
          115           120           125
Gly Glu Asn Gln Leu Gln Asp Val Gln Ile Leu Leu Lys Leu Trp Ser
          130           135           140
Asn Gly Phe Ser Leu Asp Asp Gly Glu Leu Arg Pro Tyr Asn Glu Pro
          145           150           155           160
Thr Asn Ala Gln Phe Leu Glu Ser Val Lys Arg Gly Val Thr Leu Ile
          165           170           175
Ala Cys Met Pro Glu Ile Gln Gln Leu Met Leu Glu Ile Phe
          180           185           190

```

<210> 905

<211> 414

<212>Amino acid

<213> Homo sapiens

<400> 905

```

Trp Pro Cys Gly Ala Ala Pro Gly Leu Thr His Ala Ser Glu Arg Met
 1           5           10           15
Phe Thr Leu Thr Thr Met Ile Gln Ala Leu Ala Pro Val Met Gly Trp
          20           25           30
Asp Arg Lys Pro Leu Lys Met Phe Ser Ser Glu Glu Met Arg Gly His
          35           40           45
Leu His His His His Lys Cys Leu Thr Lys Ile Leu Lys Val Glu Gly
          50           55           60
Gln Val Pro Asp Leu Pro Ser Cys Leu Pro Leu Thr Asp Asn Thr Arg
          65           70           75           80
Met Leu Ala Ser Ile Leu Ile Asn Met Leu Tyr Asp Asp Leu Arg Cys
          85           90           95
Asp Pro Glu Arg Asp His Phe Arg Lys Ile Cys Glu Glu Tyr Ile Thr
          100           105           110
Gly Lys Phe Asp Pro Gln Asp Met Asp Lys Asn Leu Asn Ala Ile Gln
          115           120           125
Thr Val Ser Gly Ile Leu Gln Gly Pro Phe Asp Leu Gly Asn Gln Leu
          130           135           140
Leu Gly Leu Lys Gly Val Met Glu Met Met Val Ala Leu Cys Gly Ser
          145           150           155           160
Glu Arg Glu Thr Asp Gln Leu Val Ala Val Glu Ala Leu Ile His Ala
          165           170           175
Ser Thr Lys Leu Ser Arg Ala Thr Phe Ile Thr Asn Gly Val Ser
          180           185           190

```

```

Leu Leu Lys Gln Ile Tyr Lys Thr Thr Lys Asn Glu Lys Ile Lys Ile
195 200 205
Arg Thr Leu Val Gly Leu Cys Lys Leu Gly Ser Ala Gly Gly Thr Asp
210 215 220
Tyr Gly Leu Arg Gln Phe Ala Glu Gly Ser Thr Glu Lys Leu Ala Lys
225 230 235 240
Gln Cys Arg Lys Trp Leu Cys Asn Met Ser Ile Asp Thr Arg Thr Arg
245 250 255
Arg Trp Ala Val Glu Gly Leu Ala Tyr Leu Thr Leu Asp Ala Asp Val
260 265 270
Lys Asp Asp Phe Val Gln Asp Val Pro Ala Leu Gln Ala Met Phe Glu
275 280 285
Leu Ala Lys Thr Ser Asp Lys Thr Ile Leu Tyr Ser Val Ala Thr Thr
290 295 300
Leu Val Asn Cys Thr Asn Ser Tyr Asp Val Lys Glu Val Ile Pro Glu
305 310 315 320
Leu Val Gln Leu Ala Lys Phe Ser Lys Gln His Val Pro Glu Glu His
325 330 335
Pro Lys Asp Lys Lys Asp Phe Ile Asp Met Arg Val Lys Arg Leu Leu
340 345 350
Lys Ala Gly Val Ile Ser Ala Leu Ala Cys Met Val Lys Ala Asp Ser
355 360 365
Ala Ile Leu Thr Asp Gln Thr Lys Glu Leu Leu Ala Arg Val Phe Leu
370 375 380
Ala Leu Cys Asp Asn Pro Lys Asp Arg Gly Thr Ile Val Ala Gln Gly
385 390 395 400
Gly Gly Lys Ala Leu Ile Pro Leu Ala Leu Glu Gly Thr Asp
405 410 414

```

<210> 906
 <211> 296
 <212> Amino acid
 <213> Homo sapiens

```

<400> 906
Val Asp Ser Val Gly Gly Gly Ser Glu Ser Arg Ser Leu Asp Ser Pro
1 5 10 15
Thr Ser Ser Pro Gly Ala Gly Thr Arg Gln Leu Val Lys Ala Ser Ser
20 25 30
Thr Gly Thr Glu Ser Ser Asp Asp Phe Glu Glu Arg Asp Pro Asp Leu
35 40 45
Gly Asp Gly Leu Glu Asn Gly Leu Gly Ser Pro Phe Gly Lys Trp Thr
50 55 60
Leu Ser Ser Ala Ala Gln Thr His Gln Leu Arg Arg Leu Arg Gly Pro
65 70 75 80
Ala Lys Cys Arg Glu Cys Glu Ala Phe Met Val Ser Gly Thr Glu Cys
85 90 95
Glu Glu Cys Phe Leu Thr Cys His Lys Arg Cys Leu Glu Thr Leu Leu
100 105 110
Ile Leu Cys Gly His Arg Arg Leu Pro Ala Arg Thr Pro Leu Phe Gly
115 120 125
Val Asp Phe Leu Gln Leu Pro Arg Asp Phe Pro Glu Glu Val Pro Phe
130 135 140
Val Val Thr Lys Cys Thr Ala Glu Ile Glu His Arg Ala Leu Asp Val
145 150 155 160
Gln Gly Ile Tyr Arg Val Ser Gly Ser Arg Val Arg Val Glu Arg Leu
165 170 175
Cys Gln Ala Phe Glu Asn Gly Arg Ala Leu Val Glu Leu Ser Gly Asn
180 185 190

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Ser Pro His Asp Val Ser Ser Val Leu Lys Arg Phe Leu Gln Glu Leu
      195      200
Thr Glu Pro Val Ile Pro Phe His Leu Tyr Asp Ala Phe Ile Ser Leu
      210      215      220
Ala Lys Thr Leu His Ala Asp Pro Gly Asp Asp Pro Gly Thr Pro Ser
      225      230      235      240
Pro Ser Pro Glu Val Ile Arg Ser Leu Lys Thr Leu Val Gln Leu
      245      250      255
Pro Asp Ser Asn Tyr Asn Thr Leu Arg His Leu Val Ala His Leu Phe
      260      265      270
Arg Val Ala Ala Arg Phe Met Glu Asn Lys Met Ser Ala Asn Asn Leu
      275      280      285
Gly Ile Val Phe Gly Pro Thr Leu
      290      295 296

```

<210> 907
 <211> 131
 <212>Amino acid
 <213> Homo sapiens

```

<400> 907
Gly Leu His Val Ile Ser Leu His Ser Ala Asp Gly Arg His Trp Glu
  1      5      10      15
Asp Pro Leu Ser Glu Leu Asp Ser Glu Arg Val Ser Ala Phe Leu Val
      20      25      30
Thr Glu Thr Leu Val Phe Tyr Leu Phe Cys Leu Leu Ala Asp Glu Thr
      35      40      45
Val Val Pro Pro Asp Val Pro Ser Tyr Leu Ser Ser Gln Gly Thr Leu
      50      55      60
Ser Asp Arg Gln Glu Thr Val Val Arg Thr Glu Gly Gly Pro Gln Ala
      65      70      75      80
Asn Gly His Ile Glu Ser Asn Gly Lys Ala Ser Val Thr Val Lys Gln
      85      90      95
Ser Ser Ala Val Thr Val Ser Leu Gly Ala Gly Gly Gly Leu Gln Val
      100      105      110
Phe Thr Gly Gln Val Pro Gly Ile Arg Trp Gly Lys Leu Gly Glu Ala
      115      120      125
His Ala Ser
      130 131

```

<210> 908
 <211> 124
 <212>Amino acid
 <213> Homo sapiens

```

<400> 908
Lys Ile Lys His Arg Pro Glu Glu Glu Pro Arg Trp Ala Ala Ala Gly
  1      5      10      15
Ala Gln Ser Ala Gly Pro Gly Ala Ala Glu Val Ala Pro Pro Arg Pro
      20      25      30
Gly Thr Val Ala Pro Gly Ala Asn Gly Met Thr Asp Ser Ala Thr Ala
      35      40      45
Asn Gly Asp Asp Arg Asp Pro Glu Ile Glu Leu Phe Val Lys Ala Gly
      50      55      60

```

```

Ile Asp Gly Glu Ser Ile Gly Asn Cys Pro Phe Ser Gln Arg Leu Phe
 65          70          75          80
Met Ile Leu Trp Leu Lys Gly Val Val Phe Asn Val Thr Thr Val Asp
          85          90          95
Leu Lys Arg Lys Pro Ala Asp Leu Arg Asn Leu Ala Pro Gly Thr His
          100          105          110
Pro Pro Phe Leu Ala Phe Asn Trp Tyr Val Lys Thr
          115          120          124

```

<210> 909
 <211> 111
 <212> Amino acid
 <213> Homo sapiens

```

<400> 909
Leu Gly Phe Ser Asp Gly Gln Glu Ala Arg Pro Glu Glu Ile Gly Trp
 1          5          10          15
Leu Asn Gly Tyr Asn Glu Thr Thr Gly Glu Arg Gly Asp Phe Pro Gly
          20          25          30
Thr Tyr Val Glu Tyr Ile Gly Arg Lys Lys Ile Ser Pro Pro Thr Pro
          35          40          45
Lys Pro Arg Pro Pro Arg Pro Leu Pro Val Ala Pro Gly Ser Ser Lys
          50          55          60
Thr Glu Ala Asp Val Glu Gln Gln Val Leu Tyr Lys Tyr Arg Lys Lys
 65          70          75          80
Pro Ser Ser Ser His Arg Pro Gln Thr Pro His Asn Gly Lys Ser Lys
          85          90          95
Asn Phe Leu His Lys Gln Gly Leu Lys Lys Lys Ala Ser Leu
          100          105          110 111

```

<210> 910
 <211> 298
 <212> Amino acid
 <213> Homo sapiens

```

<400> 910
Arg Thr Arg Gly Val Met Glu Leu Ala Leu Arg Arg Ser Pro Val Pro
 1          5          10          15
Arg Trp Leu Leu Leu Leu Pro Leu Leu Leu Gly Leu Asn Ala Gly Ala
          20          25          30
Val Ile Asp Trp Pro Thr Glu Glu Gly Lys Glu Val Trp Asp Tyr Val
          35          40          45
Thr Val Arg Lys Asp Ala Tyr Met Phe Trp Trp Leu Tyr Tyr Ala Thr
          50          55          60
Asn Ser Cys Lys Asn Phe Ser Glu Leu Pro Leu Val Met Trp Leu Gln
 65          70          75          80
Gly Gly Pro Gly Gly Ser Ser Thr Gly Phe Gly Asn Phe Glu Glu Ile
          85          90          95
Gly Pro Leu Asp Ser Asp Leu Lys Pro Arg Lys Thr Thr Trp Leu Gln
          100          105          110
Ala Ala Ser Leu Leu Phe Val Asp Asn Pro Val Gly Thr Gly Phe Ser
          115          120          125
Tyr Val Asn Gly Ser Gly Ala Tyr Ala Lys Asp Leu Ala Met Val Ala
          130          135          140

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